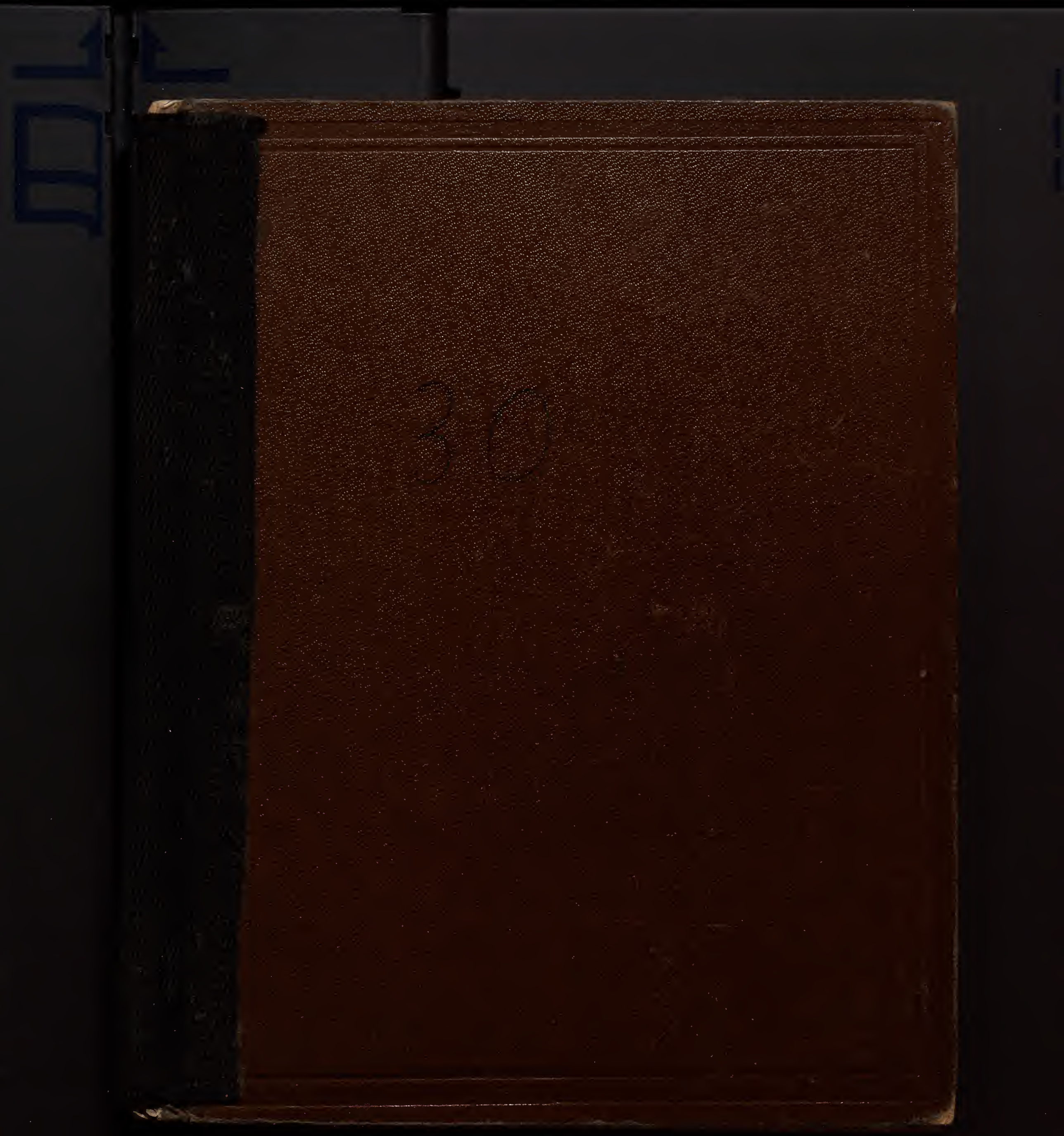

SHOUT
SHARE
IT

20th July 1961. Hymenoptera taken by R W Lambert at Selborne, Hants, England, & kept by A.W.S. (the remainder of the natal brood on the Mercantyre at Bayford): almost all emerged top of Gilbert White zigzag path up The Hanger.

Homocidera (= Diplazon) subfasciata Stalfors: a male ♂, ant. 20.

Braconidae ♀ (ant. broken): resembles minute Ichneumon sp. on my key, but hind tib. 3-6 too smooth to fit Thomson's description: otherwise ♂ sp.

Apanteles sp. ♀ of group rubecula.

Rogas ♂ of circumscriptus complex; mainly rufo-testaceous: ant. 40.

Alloxysta sp. Cefalonia ♂, ant. 31.

Phaenus rufescens ♂, ant. 21, with abnormal stigma + vein in fr. wing.

Ephialtes (Pimpla) micans Stalfors ♀, ant. 28.

O. (Pimpla) turionellae Hal. small ♂, ant. 38.

O. longicornis nob. nec Thomson ♀, ant. 20+; also a ♂, ant. 25

O. curvipalpis W. 2 ♀♀, one with 26-segd. ant. The other with ant. broken.

O. semicincta Steph ♂, ant. 26, + almost whole of tergite 3 and whole of 4

Diadromus discors ♂, ant. 29+ (broken)

Tryphon nanus Nees ♂, ant. 36

D. pleuralis Hal ♀, ant. 40.

D. tenuicornis ♀, ant. 29.

20th July 1961. Hymenoptera taken by R.W. Carlisle at Selborne, Hants, England, & kept by A.W.S. (the remainder of the catch pinned on to mercurychrom at Oxford!): almost all emptied at top of Gilbert White's zigzag path up The Hangers.

Homocidus (= Diplazon) subopacus Stelfox: a nice ♀, ant. 20.

Braconidae ♀ (ant. broken): runs to minutator H. on my key, but tergites 3-6 too smooth to fit Thomson's description: otherwise it agrees.

Apanteles sp. ♀ of group 2 Marshall.

Rogas ♂ of circumscriptus complex: mainly rufo-testaceus: ant. 40.

Alloderus sp. lepidus ♂, ant. 31.

Phaeus ruficornis ♂, ant. 21, with abnormal stigma & venation in rt. wing.

Opius (Biosteres) micans Stelfox. ♀, ant. 28.

O. (Biosteres) wesmaeli Hal. small ♂, ant. 36.

O. longicornis mihi, non Thomson ♀, ant. 20+; also a ♂, ant. 25

O. inaequalis Wesm. ♀, one with 26-seg. ant., the other with ant. broken.

O. semiaciculatus ♂, ant. 26, & almost whole of tergite 3 aciculate!!

Diaeretus dirus ♂, ant. 29+ (broken)

Diaeretus ama Nix. ♂, ant. 36.

D. lateralis Hal. ♀, ant. 40.

D. kera Nixon. ♀, ant. 29.

1. Apologies
2. Minutes of last Annual General Meeting and Business Meeting
3. Report of Honorary Secretary
4. Report of Honorary Treasurer
5. Report of Editor
6. Election of Editorial Board and other Honorary Officers:
   - (a) Chairman
   - (b) Editor
   - (c) Sectional Editors
   - (d) Honorary Secretary
   - (e) Honorary Assistant Secretary
   - (f) Honorary Treasurer
   - (g) Honorary Auditors
7. Election of Executive Committee
8. Circular to promote sale of journal
9. Report on preparation of 12-volume index
10. Any other business

VOL. 30.

DIARY

From 21st May 1961

until 9th Sept. 1961.

A. W. Stafford

21st May 1951. A very perfect day, all morning with light fresh N.E. breeze. Left home, alone with bike, at 9.45 a.m. & met with Tollygunge Party by burrowhaus & collected a few birds as follows :—

1 = 10.15 till 11.15 - Birds of Baggage Bus.

2 = 11.15 till 12.15 / Off Beach S. of Top of Rock.

3 = 12.15 till 1 o'Clock) E again from 2 till 4 P.M. the small area of the coastline S.E. of it.

4 = 2 o'till 3 P.M. & on way back home from 4 till 5.20 : Birds in Casuarina plantation & then forest-land now (was ploughed) S.W. of 2 & 3 & then & towards on way back to the sleeping-field E. of boundary wall. Home at 5.30 P.M.

Tollygunge Park to Home

Lanius tephronotus ♂ 1 [illegible]

~~Oriolus~~ Oriolus ♂ ~~in the open~~

Orthotomus sutorius picturatus ♀, ad. 28 (Size ♂ 27½, Tollygunge 21.5.51).

Hemicercus canente ♀, ad. 21 : dried from.

Micropternus ♂ ♀, small, ad. 21

Hemicercus "canente delicatus" ♀ nothing change ♀, ad. 18.

Apus affinis subsp. ? ♂, ad. 22

Corvus splendens ♂, ran with small pied-patches, ad. 24.

Acridotheres ginginianus ♂ ♀, [illegible], ad. 28(♂), 27a X(♀).

Oriolus tephronotus ♀, not ad. Aegithina tiphia, duck♂, ad. sp?.

Turdoides striatus ♀, ad. ?d.

T. ♀ as above ad. [illegible] ad. ?d.

Sitta tephronota = Achista

21.5.61 (1) cont. Tollymore Park, DO, cont.

Proctor (Polyplax) 2

Ivory Dasmina exilis + ♂ adhaesa 1 ♀ one ♂ ad.

Cleidodes 20 - 30.

Beetle.

Insect in killing bottle from 1 { Pachyprotasis rapax ♂. Pimpla 4. flavicoxis ♂, ant. 28. Bassidenmon laevis ♂, ant 30. Gratichneumon varians ♂, ant. 28.

Gratichneumon albilarvatus ♂, ant. 37

Aoplus (Stenichneumon) ratzeburgi ♀. 35 segm in antennae!

Insect tube at 2 (= mother).

Agl. Lissopimpla melanocera ♂

Hemiteles or Phygadeuon ♀♂ not ads.

Exochus 2 = sp nov.? (♀?), face black, marked white thus = Ex signatus sp n. AHS 43:3 1962.

Orthocentrus pratulensis ♀ not ads

Ichneumon 2 = ♀♂ = Amblyteles tricinctus, ant. bulk 30.

Opius radiatus Hal ♂ ant. 43. Very nice example!

Phygadeuon 2 very nice! = Dicolus tibialis ♀, ant. 35.

& Dicolus excubitor ♂, ant. 30.

Rhyssa of some sp, dark ♂, ant 39 (thorax + abdomen entirely black, hind legs red ♂ antl. + neuration not black & very distinct from ♀)

Dasmina exilis (cont.) — Aspilota cyrtipleuris ♀, ant. with dark yellow reg.
— Dasmina abdita ♀, ant. 33.

Polyplax 1 ♂ =

Glabrid ca 1/2 ant to tyrsdum.

In killing bottle from 2. Orthocraa crassipennis ♂, ant. 39. Exochus ? ♂ ant. ? Hemiteles sp nov. ♂, ant. 21.

21.5.61, cont. Tollymore Park, DO, cont.

Insect tubes at 3 & in mother!

Gratichneumon 2 ♂♂ = 6 varipes, one mtd, ant 37.

Pimpla 4. flavicoxis ♂ not ads.

Homocidas pictiventris, 4 ♂♂ not mtd.

H. flavolineatus 3 ♂♂ but ref, one mtd., ant. 26.

Stenopneusta tricoloripennis ♀, ant. 26 a beautiful specimen!

Polyplax. ingestinus ♂, ant. 30

Hemiteles 2 ♂♂ + one mtd.

Proctotrupid 1 = Psilus ♂, no result, ant ca 20, but a most important specimen! (combination is rarely difficult to reveal!)

Aspilota (Synaspidia) temporalis nob ♂, ant. 22. very nice example

Glabrid 2 ca 2.5

Polyplax 2 = Leptolinothrix ♀ 2 ♂♂

Diapriid 1 =

Homalotinae (all one) =

Insect in killing bottle from 3.

Nomada marshamiella ♀ Nomada succincta ♀

Xanthandrena nigrihirta (°?).

Pimpla alternans ♂, ant 41, probably Index here [illegible] the ♀ taken at Ballyhoe in 1961, about to compare with ♀ of P. flavicoxis, ms. p. 18?]

Ischnocerus fulvicornis ♂, ant. 34.

Mesolius ♂ ♀ ant. 26. ♂ ♀ mtd ♀ ant 34.

Tryphon signatus ♀ ♂, ant. 32. Homocidas pictiventris ♂ ant 21

Homocidas taeniatorius ♀, legs, ant 23; mtd ♂ in mother, flowing.

Mesochorus ♂ ♀, legs, ant 41 Cryptus ? of infuscatorius ♀, ant. 36

21·5·61, cont. Tollymore Park, DO, cont.

Insect taken at the w.t. moths.

Stenomacrus nitidundus 10♂ 1♀, not ats.

St. fremipennis v. ♀, ant. 25. St. sylvaticus v. fennicus ♂, ant. 26.

Homonidea flavitibia ♂, not ats.

H. cinctus ♂, ant. 21.

H. obscuripes ant. 21

Pranchus rugosus ♂, ant. X.

Polyblastus vestrogi ♂, ant 30.

Phaenodus exacerbator nit. ventralis ♂, ant. 17, under-surf. about wing!

Leptophyes ♂ not ats

Platycleis ♀ = Hygrotettix ♂ ant. 33 Decticus cruentatus ant 30.

Platycleis ♂, ant 22 Pachytrachis of connivens ♀, ant. 21.

Tettigonia ♂ ♀, not ats.

Oecanthus ♀ = O. of new pallidus, but propodeum not carinate.

Anacogaster concolorina ♀ (♂?), ant. 31.

Metaxmeus of confusus ♂, very well identified specimen as ; ant. 32, stigma pale, (Local, borders old pasture)

Bicolorites rapidus, small ♂, well-developed black legs, ant 23.

Xantites lucidator ♂, ant. 23, very dark stigma + yel. area behind!

Opisthus 2 = O. insignis, small ♂, ant. 25.

O. levis, small ♂♂, ant. 23 & 24.

21·5·61, cont. Tollymore Park, DO, cont.

Tetrix ♂ ♀, cont.

Aspidota alba, large ♂, large, long antennae; ant. 30

Xanthus corticalis in bark etc. - especially on bits of fungus pod.

X. longipedatus. D. maculipes ♀, on silk of pod; ant. 24.

D. melanocerus ♂, ant. 27.

Tetrix ♀ subulata ♀, ant. 11

Allonidia, 1 small Phaeta specimen.

22nd ~~&~~ 23rd May 1961 Entirely dull, calm, dry + mainly chilly. Various work in garden.

24th May. Very like yesterday, but a few minutes very light drizzle — afternoon + again in evening

25th May. Similar etc. many insects, but cold + dry nevertheless. Will NW + take NE things + frost forecast for inland areas + snow on high ground in Scotland.

Took Heat + Trap plates: no specimens on a very full of Rodentia fur (as expected); all at Ran[illegible] removed.

26 May Similar, dry, cold, but mainly sunny!

27th May 1961. Similar to 26th + even more wintry but a change promised.

28th May. A bright morning, followed by a very misty dull day as wind changed about midday from East to East + light often E to about 2 PM. Left Liverpool 9.20, AM (Cloud following half an hour later), we spent the day in Clwyd Round according to the "Blank Sheets" in 41 sites of Flowers etc. + returning from the slopes from summit on NE side of the Eagles Rock. Saw [illegible] [illegible] [illegible]

3 to 61, cont. Shenna Bank, Tresco, to Tolman Point, Tresco

Insects taken at 1.

Tanyptera ?.

Rhamphomyia ♀.

Anglica sexmaculata ♀.

Brevicornis communis ♂♀ & ♀ ♂, ant 27.

Platycnemis fragilis. ♂, ant. 35.

Tachycentrum "of Syle" ♂, ant 36.

Opius caesus ♀ &, other = O. levis ♂, ant 23, zones mainly pale!

Tanycarpa aurilla Hal ♀, ant. 22.

Pharmacops nitropus ♂. [No Syrphids!]

Brevicornis (♂) crassicornis in "millions" Z. micrologus ♂ Z. longicornis ♂

Phaenus coriaceus ♂. Cephalops sp. ♂ Tresco.

Rhamphomyia ♀ sp. ♂ Tresco.

Rhamphomyia ♀ sp. (Over rocks, black & Rocky, only 1d. ♀ to be identified. AWS.)

Tachydromia ♀ sp.

---

3 to 4 hours N. to S. — Tiffany, Wind, Tresco, 20.

Tachydromia ♂.

Platychirus manicatus ♀, ant. 22. Hemitela

Rhamphomyia pilosella ♂ ♀ sp. Tresco.

Brevicornis "tarsiata" ♀. Homoneura interstincta ♂

Tachina ♀ sp., ant 33.

3.6.61 (a) cont. Tiffany, Wind, 20, Overcast.

Platycnemis vesicalis ♂ ♀ ♂, ant. 34 & 100; the males all paired or mated but females

Rhagio nigricep. ♀, ant. 42 (very dark thickly coloured example).

Empis chioneia ♂, ant 16.

Pharmacops fimetorum ♂.

Anglica sexmaculata ♂ ♀ ♂ ♀, only on wild carrot flowers, ant. 20

Brevicornis (♂) crassicornis spp. (millions) Z. (♂) longicornis ♂

Z. melanocera ♂

Tachina ? sp. ♂ Tresco.

Cephalops spp. ♂ ♀ Tresco.

Rhagio ♀ sp., including a large, dark-winged ♂ = Dinocyrtus nigripennis Th., Tresco ♂.

Asilidae ♂ sp. ♂.

Platycheirus ♂ ♀ sp., on wild flowers in sp.

Hemitela ♂

Tachina ♂ ♀ sp.

4th June 1961. A lovely fresh sunny day with moderate to fresh on shore (E) wind. Not an insect day like yesterday, but much pleasanter! Left house at ¼ 10 (tide) & walked the Burnyhead gate at 10 AM. & collated in Tollgate Park till 4-0 P.M. in three areas, as follows: —

4·6 1961 cont. Tolbymoor Park, Co. DO., cont.

1 = Fran gate down bunnaplank to top of Reggies Pool.
2 = Bunches at foot of 1 + gate of old enclosure up the way
from the bunkered Folly, 2 mostly in old woodland.
3 = Sides of Reggies Pool — same as 1 in more exposed.

Insect in killing bottle: almost all from 1 & 2, usual 2
Xenothrodopsis nemalis 2 ♂♂, 2 ♀♀, at 2. Tullbergia atra ♀
Proboscina nigra ♀, at 2. D: common frequent.
Pamphorura hortensis hortensis ♀, at 2. Vega curtisi ♀ at 2.
Ctenidia ♀? seem abundant on Cynoglossum officinale, of which plant two &
a patch with white flowers just S. of foot of Reggies Pool
Folsomia quadrioculata ♂ ♀ ant. 6 & 7. Isotomurus of entomophila 2 ♀♀ ant. 31-32. Folsomina n. ♂ ant. 36.
Entelisomina affinis ♂ ant. 35. Barbachaetus bituber ♂ ant. 32. Bionkium pallipes ♀ ant. 23.
Phyglacanis 2 ♂♂ white necked fuse, mett bright 2 ♂, ant. 25-26 =
Hemitella ♀ ant. 22 =
Womersleya dalli ♂ ♀ mixed. Hemisotoma cinerea ♂♀, ant. 32
= Hemisotoma fusca Denis rare. " tenebrosa ♂ tiny ♀, ant. 25.
Tricyphona nigrescens 2 ♂♂, ant. 30 & 32; rather dark specimens
Obrincarpa of fusciventris ♂ ant. 37
Tullbergia ? sp. ♂, ant. 32.
Polykatodes sp. ? 2 dark ♂♂, 1 ♀ with bright red eld., ant. 29, 29 & 28(♀).
= Polykatodes pomposus Gisin Tuxen & F. Perkins (19.4 1962).
Xenylla grisea Axel. ♂, at 1, ant 46.
Proisotoma = Cryptocyphus exclusus ♂ Haven Phy =

4·6·61 cont. Tolbymoor Park, DO., cont.

Taken at 1. Pleurion sp. ♀, ant. 20
Arcogaster convolvina: ant 32 (or ♂)
Ceratrimeria thomsoni mihi, ♂, ant. 16
Pseudosinella decipiens Denis mihi. ♂ intermediate 1♂ : ant 16.
Isotoma ? of tetrolena ♀, ant 11.
Pontoscirtes 2 : 1♂ mantle =
Folsomina ♂.

Taken at 2.

Brigandina ♂* Bathytrupes quadrioculata ♀.
Cryptonychella sp. ♂ ant 20.
Onychiurus sp. ♂ ant 21.
Hypogastrura purpurascens Denis ♂ in middle row 16.
H fimetaria Tullb. 2♂♂: one with 6+6 sp. antennae.
H clavata ♂ ♀, ant 21.
Tricyphona nigrescens ♂♀, ant 30.
Polykatodes ♂, ant 30.
= Isotomurus retardatus (= Tremulantipes) ♂ (= Folsomina ? bicolor mihi) ♂, ant 30, Pseudosinella ♀ ant. 30.
Sminthurinus (Sminthurus) parvulus ♂ ♀, ant 20.
Tullbergia ♂ ♀ rather Hetero. Folsomina ♂, ant 33.
Entomobrya ♀ ant 28.
Pontoscirtes 1 : Pleurion sp. ♂ ant 21. ♀ seen at 2 ♂♀.

4.6.61(2) cont. Tollymore Park. Do.; cont:

Leucogaster concubina 2 ♂♂, ant. 31 x 32.

Micrantenna sp. nr. culta ♂, ant 22.

Opius sp. ♂ - ant. 24.

Apsilota vacua ♀, ant 26

Tolerus (B.) exaltatus, comm. ♀ ovipositor 3.5 mm.

D. errans Nixon ♀, v.v. fuscitarsis ♂; ant. 39.

Torinys sp. ♂

Proctot. 2 = Belyta fortiseminis, 1 ♀ fide Nixon, 28.11.61.

Chalcid: 1 ♀ (2.5 mm.)

Token # 3.

Longitarsus G: Hold. = Phyllotreta: = ♂, ant. 26 =
♂, ant. 21 =
♀, ant. 28 =
♀, ant. 19 =

Homaeotarsus clypeus 1 ♂♂, on large Typical, ant. 21; Hind tibiae & tarsi of legs & all dark mottling, ant. 20;

H. tenuatarsus ♀, ant. 23.

Ectopsis exacta 2 ♂♂ ant both 37. Polyblastus ♂, ant. 30.

Four sp. ♀ ♀ = Acrotaphus dentifer ♂, ant 27.
and Lathrolestes maculata Brischke ♂, ant. 26, fide J.F. Perkins.

Pseudogonalos ♀ = Pseudoctenus tenuipes ♀, ant. 27.

Olesicampe of femoralis ♂ ♀ ♂, ant. 39.

Bethylus ♀: 2 sp. = Holcepyrus ♀ ♂ — 11 ♂, ant 21.

Acrodactyla nadida Hal. ♂, ant. 24.

4.6.61(3) cont. Tollymore Park Do. cont.

Euphorus 2 { E. flavovarius (♂) with longer than Hal. ♂ ant. tibiae, tibial spurs white, wings clear, abdominal Petiole; E. fuscipes Curt. (= pumilus Kolly) ♂, ant. 16.

Meteorus sp. nr. ? 10 ♂, 2 ♀♀; ant. 22 (♂), 17 & 19 (♀♀), wing the last typ. somewhat pterostigma ?

Ichneumon dictynna ♀, Token W.; dilated hornsy the hinder ♂ ♀; ant. 40.

Tryphon (B.) exactus ♀ common. D. melanocerus ♀: ant 42.

D. celsator ♂: ant 32. D. dubius Nixon, 1 typ ♂, ant. 28.

Cryptidion cryptiformis ♀, small ♀; ant. 14.

Torinys, tabidus ♀ ♀, ant 31

Proctot. 11 (a very minute Belyta): including Diapsenus microphrys, 1 ♂; and 4 Belyta = { B. acrata = acrotaphi Hal. ♂ fide Nixon, 28.11.61. } Eucoila sp. fide Nixon agrees! ♀ 28.11.61. 6 sp. ♂♂, Pentarthron sp. ♀; all 2 MWS 2 Pentarthron (cont. acata K.) fide Nixon, 28.11.61.

Chalcid. 20 - 30

5th June 61. Light showery night - a little rain in early morning, in afternoon, gradually becoming sunny & v. hot with cloud over hills about mid-afternoon. Hill cloud underneath. Wind light & S.W.

6th June. Dull in forenoon with some drizzle, showers & hill-fog clearing in afternoon with some sunshine. Wind S.W., light & variable in afternoon & gusty. Humidity rather low.

7th June. "Bright period & showers" with more drizzle in afternoon when temperature dropped considerably.

8th June. After a dry night & a misty morning, forenoon dull with hill fog & drizzle, wind seen to veering from west & S.W. first thing in afternoon. Very cold & stormy in evening & late night.

Cyllodes ventricosus ♂ ♀ on fence by light, on pear tree in garden (London) ♀

5th June 1961. Cold, wet, rain + cloud day. Last night wind + rain shook van, + a great nuisance to 8th.

10th June Chilly with E-SE-NE wind, falling calm + raining. Boggle on rain off + on all day. We had a fire in evening!

11th June A perfect day, with light NW (later E or shore) breeze + almost entirely sunny. In afternoon we walked round Tormabilly, + took off the with-a-bumper-car spot on way up, but got the inset + of no importance + picked all of with help + dozen Rhetcid for Graham.

12th June After a dull, calm + dry night, mainly dull with E-NE wind till late afternoon + slight boggle fall late + 19th + rain, but the day gradually improved afterwards + it became warm + fine. Left home with Nic at 10 AM + met Tollymore Park via Donnybrook + collected in three areas, sweeping thoroughly, as follows:— Tollymore Park, to Do.

1 = Side of path in wood from Donnybrook gate to Riggin Pond, up Riggin Pond (during draggle) + from top of same along side of avenue along N. side of The Dream to where old track crosses, off SW. 10.30 Till 1.20.

2 = Side of above old track + common from W. end of same track along S. side of The Dream to the end of old woodland, 2.30 to 3.30 PM.

3 = Part of old woodland just N. of the track plantation 3.30 to 4.30 PM. Left 3 at 4.30 + attempted to take it 5 (cl) Donnybrook gate + home at 5.15 PM. [Took 7 Cyclodes pallipes ♂ on kitchen window in 21 Tollymore Avenue, 12.6.1961]

3 In Killing bottle

Saaristia 4 = Tenuiphantes tenuis 10♂, 1♀, ♂ fem. at 2 + 1 respectively

Heptaloclus ochraleucus ♀ at 3.

Diplocephalus "nemoralis" Cericis ♂.

Verpa norvegica ♀ at 3, in leg, yielding pulp.

Formicia fuscus spp. ♀ at 3; not std.

Schoenicola extensicrus ♀ red abd, small; at 1; ant. 31.

Poecilotricha cotinusata ♀, black, yellow banded + pedal tergite; at 2 (3?) Lund). ant. 34 (J.T. Parker, pers. in litt. 23.6.61); appears to be first British ♀. See Parker, Trans Ent Soc 1959.

Centromerus fabricator ♂ 35. Schoenicola vandiedenensis ♂ ant. 32, at 1. v. incognitus

Poly Pocta. meleagris ♂, ant. 32.

Stiphrosoma sp. until ope ?, ♂, ant. 37

Pardosa cursitans ♀, large, at 2; ant. 49

Agyrpora sp. ♀ ♀, at 2, ant. 49, 1.8 thorax = "Flavo-dotata Groer. (red-tarsus form)" teste J.T. Parker 19.4.1962.

Pachyloid ♂ = Lowestus sp. ♂.

Coccinella undecim. at 1 + 1.1 wings to spot. from 3 Since taken here on 4.6.61

Taken at 1 + in number. [20 tabulated 17.6.61] [3E tabulated 20.12.61]

P.T.O.

Tolpuna Park, DO., cont.

19.6.61 (1), cont.

Anteon very small ♂.

Pericharmon tegulum (= alticolum!) ♂, not ♀♀.

Heleomedes [illegible] ♂, ant. 32; Acrodactyla cf. medida ♂, ant. 24, small ♂

Baryphyma ♂ = Neriella ♀ ♂ - ♀, ant. both 22.

Physocyclus ♀, ♂ ant. 27, very broad epigyne.

Incolethis cf. Linyphia Thor. ♀ ♂, ant. 31 Leptorhaptus cf. ♂, ant. 21.

Stemonyphantes (Neriella) ♀ ♀, ant. 18, small sternum ♀

E. ventralis ♂ = ♀; not ♂♂ E. nidibundus ♂, ant. 22.

Polyplastron multivagus ♀ ♀; small ♂ ♂♂, ant. 26.

Promethea 'Eleiriopa' ♂, ant. 24.

Stilbops Linyphiaeformis ♀♀, ant. 23.

Troglohyphantes [illegible]; not ♂♂.

Centromerus cavernicolens Thor. ♂ (pale) ♀ Perthus).

Acartauchenius tricuspis, ♀, ant. 27: epigynal entrance!

Micrargus 4 ♂♂, 2 ♀♀: 1♂, 1♀ only ♂♂.

= M. ♀ ♂, ant. 29. M. ♀ ♀, ant. 34.

Pelecopsis [illegible] ♀: Neriella ♀ ♂, ant. 19

Pocadicnis ♀ ♂, ant. 20. Pelecopsis ♀ ♂, ant. 19.

Ruthesia ♀ ♂, ant. 20. Praestia ♀ ♂, ant. 34

Helactes ♀ ♀, ant. 21. H ♀ ♀, ant. 22.

Erigone longipalpis ♀ not ♂♂. Asperilepton altipalpis 2 ♂♂, 1 ♀, ant. 22, 4, 21.

Hypomma cavernicolum = ♂♂; not ♀♀.

Tolpuna Park, DO., cont.

Tubes of 1, cont.

Euryphora thoracica 1 (♂?) = clearwater Rathe: huge head! ant. 16.

Theotimus lividus: 2 ♂♂, ant. 19-20.

" ♀ 1 ♀, small ♀, ant. 20 same ♂♂ from Gillooly Rd, Mount. 27.5.50.

Linyphia subalpina ? blind ♀, ant. 23. [L. triangularis (=clathrata ♂ ant. 2]

Opetia ♀ 1 ♂ - the only Opetid in marker! not ♂♂.

Cryptocyta procincta 1 large ♀, ant. 30

2. ♀, ant. 22 A (spoiling) [illegible] ♂, not ♂♂.

Trachyneta of arachnoides in hundred but agrees: 2 ♀♀ ant. 20 ♂♂.

Lin. longipalpis ♂ ? ♀, ant. 20. N. opilionea ♀ ant. not ♂♂.

2 ♂♂ [illegible] = 2 Lida ♂, ant. 35, large head expanded behind eyes!

2 melanocarpa ♀, ant. 27.

2 erro v. quercetorum ♀, ant. 34.

Aphileta ♂♂ abundant 2 ♀ ♀ not ♂♂. = a erro, ant. but ♂♂ 18. same ♀ as tube named "pluvicornus" MNS.

[A aphileta ♀ taken: but not in marker (♂ wanting): from 2 not 1]

Hypselistes plumiceps ♂, ant. 27

Praestia ♂♂ not ♂♂ (as my count not to finish) = Bathyphantes nebulosus ♂.

Diregma ♂: with epigyne! ♀♀ Cryptocyta maculata ♂.

Pantolabus ♀ ♂ ♂

Leptorhaptus of petitus ♀.

Leptorhaptus ♀ ♂.

Calaites ♀ ♀.

Beetle 1 small, green.

16

12.6.61 cont. Tollymore Park, DO., cont.

Taken at 2 + in moths. [HS rtd]

Heptamelus ochroleucus ♂

Enicmus rufifrons ♂, ant. 33.

Corylophid ♂♂ = Hemitelus ♀ ♂ ant 7, v small. Pocilostictus cribratus Gyn. ♀, ant. 39
= Gyn dup ♀, ant. 25. = in Ireland not f. 15 earlier: N. Britannica
in ♀ coll.

Endomychus ♀, ant. 24 ♂ = Stilbus ♀ ♂, ant. 19.

Cicindela 2: one rtd ♂, ant. 30 = Acupalpus meridianus ♂, ant. 24.

Stenomax aeneus 10♂, ♀: not rtd. Orthocentrus cf. fuscipes? ♂, ant. 27.

St. terricola ♂, ant. 26.
♀ [illegible] 1 ♂, rtd. = Stenomax aeneus confirm, ♂, ant. 21.

Piocerus cf. reticulatus ♂, ant. 28, also a smaller ♂, ant. 27.

Homoeidus vinctus ♀, ant. 20 small & dark specimen.

Polyhirsutus westwoodi 3♂♂: 1 rtd. ant. 30.

P. sp ♂, ant: red rtd, black femora.

Perapion orbitale ♀, ant 36.

Pseudocleonus tigrinus ♂♀, ♀: ant 28(♂), X(♀).

Sitona sp. 2: not rtd.

Barynotus sp 3♂♂, ♀ v small ♂ ♀ diff. sizes: ant. 22, 23 & 28, yet all same sex? specimen

Bothynoderes: Polydrusus sp. ♂, ant. 18: large; dark wings + legs.

Brachysomus setiger ♂ (ant. 33), ♀ (ant. 30.

B. virgatus Marshall, ♂, ant 29.

17

12.6.61 (2) cont. Tollymore Park, DO., cont.

Acroporus consularis ♂, ant. 31.

Microtonus sp. cultus rtd. ♀, ant 23

Euplectus sp. palliger 3: 2♂♂, 1♀, ant. 23-22 (♂♂), 22 (♀).
E. intactus ♀, ant. 16. E. formicetorum ♂, ant. X.

Pentaphyllus formicinus ♂: 1 large, ant. 20; also 1 small & not rtd.

Saeneus arcuatus, addictus & melanarius: all rtd. [if not the ♂ the same as morp. 9 WS.]

Aphidius common: 2 rtd. = Aph sp. grenius, 259, ant both 18

Proctotrupes ♂ & many ♀♀, Platygaster, not to genus: 2 rtd. =
Leptacis sp. nov. K ♀.

Chalcid. 2♀: sent to Graham.

Diptera 4 =

Beetle 1 =

Taken at 3.

12.6.61 cont. — Tollymore Park, DO., cont.

Taken at 3 cont. [9 mt.]

Lecture of reflexion ♀ ♀

Promethis "stimulea" ♂; not mtd.

Hemerobius pini ♀; not mtd.

Dichotomius of reticulata, ♂ ank. 29; small & dark.

Semiprocris sp.; not mtd.

Epirrita filigrammaria ♂; not mtd.

Eupithecia of subfuscata; not mtd.

Rogas testaceus ♀ ♀, ant. 38.

Exeristes of politor ♂, ant. 25.

Orthostigma of crataegella ♀, ant. 22.

Aspidota [♀, long tail; not seen when 'rebelling']

A. crassifemur n. ♀ very short legs: ant. 25.

H. of curvatus ♂, ant. 23.

Lecanium corni var: Bouche

Ps. nebulosana ♀ } P. elegantula ♀ } none mtd. — No. enter the database before 1 AWS. 1962

Tortrix betulae ♀♀, ant. 11: ~~this is probably only some var. of betulae mentioned AWS~~

Aphidius spp. common.

Pimpla examinator ♀ Body 8 mm; ♂ ant. 28 = 4d. to of postscutate ♂.

Eldest gland 4 days.

13th June 1961.

A very fine day, mainly sunny, with hrs E temp., drying rather in evening.

14th June. Druggle came in early morning, started till about noon, the afternoon was mainly dull, but with some sunny spells; wind southerly, light. The rain did much to further up the grass.

15th June. Mainly sunny & warm, breezy, chilly at night.

16th June. A dry, sunny, windy day; E in forenoon, then drifting S gale from Ext. Tab midnight, gusty sunny.

17th June. Dull, wet & cold, a slight frost in N.W. inland with falling temp.; bottom 2 inches of soil at 9 A.M. 42°F.

Aphidius — widest = Exallonyx ♂.

18th June. Sunday. A very dry, windy (W), harsh, dry day undid much of the good done by the rain yesterday, after a dry windy night. First ranunculus (withered) in flower yesterday. Took ♀ Sphecodes affinis in garden trap; for lucerne of some small Halictus of which there are very many. On 16th. I saw what can only have been a ♂ Crabro ingrivicus in bad pasture.

19th June. A dry, mainly dull day, chilly & windy (W) at times & rather sultry at others. Went to Tollymore Park & collected in five areas as follows: 10.40 A.M. till 5. P.M.

1 = From Burrenyard gate, by the avenue, to foot of Biggin's Bank (10.40 till noon)

2 = Side of Biggin's Bank to the base of tree at top: noon till 1 P.M.

3 = Side of road, old track & bank round to Grove. 2 p.m. till 3.30 P.M.

4 = Plantation around the side where small pool was formerly 3.40 - 4.00 P.M.

5 = Bit of old woodland S. of the mixed plantation. 4.30 - 5.0 P.M.

Most of insect in killing bottle came from 1, a few only from 2 & 3.

19.6.61, cont. Tollymore Park Co. Down, cont.

Insect = killing bottle + rinsings from net sheet / = specimen 2 of 3.

Cercopis sanguinolenta ♂. Dolichus virgo ♀

Ichneumonid 2 = Acoplus depressator ♂ ant. 25. var. Gratichneumon (nr.) ♂ ant. 35

Microgaster (Apteny) sp. ♂, ant. 29, possibly aberration gracilis?

Leptacoxylon ♀ ♂ ant. 22.

Ephialtes sp. ♀ = Pachis, 2 m.b.t. ant. 26.

Tryphon nigrator ♂, ant. 35.

Phaenocarpa sp. ♀ = H. tarsatorius, ant both 23.

= Polyblastus sp. ♂ of palearis gen. ♀, ant. 30.

Monoblastus sp. parasitic on Nematinus ♂, ant. 30.

Mesoleptus sp. of gracilicornis ♂, ant. 26

Thersilochus ?? sp. ? ♂, ant. 36.

Paralabatus testaceipes ♀, ant. 22.

Pezomachus sp. of cantherinus Tyl. det. ♀, ant. 39.

Pezomachus sp. ♀, ant. 33.

Beetle = Brachelytron, ♀.

Taken at 1 m. metr.

Homoporus sp. 4 : 3 m.t.d. = Heterolepta amator ♀, ant. 24. Phygadeuon ♀, ant. 31. clypeus 2-dentate.

Idiolispa ?? ♂, ant. 29, hypopygium measured.

Orthocentrus spiculus ♂ ♀, ant. 30; [clypeus, mandibles, lower cheek, a line from it & it's upper tentorial pit, pronotal rhomboidal, etc. Ark 3. 11-13-1961.

O. sp. aff. asperi var. nov. exarcolatus (no trace of areolet, larger, darker thyas, ♂) ♂ ant. 26!

Thrudax moricornis ♂, ant. 20.

(1) 19.6.61, cont. Tollymore Park Do, cont.

Euplectrid ♀. not m.t.d.

Mesochorus 2 male ♂♂. 1 m.t.d. has 23-seg antennae

Pteromalid 6, including Cyrtogaster sp. ♂♂; none m.t.d.

Eucoxysta consobrina (♂?), ant. 32.

Euphorus thomsoni mih. 1♂, 2♀♀, ant. all 16.

Euphorus sp. parasitic on Tipula (nr.); ant all 16.

Microtonus 2♂♂, 1♀. = sp. nov. Tollymori, ant 32 (♂♂), 18 (♀); see also ♂ 2.5.61 taken on (3) 4.6.61.

Opius xanthogaster m ♂, ant. 35.

Phaenocarpa sulfurea ♀ mimic ♂♂

Aspilota sp. aff. atra ♀, ant 22.

Braconid longicubitalis, addendis, cuneolus common; none m.t.d.

Eucoila sp. ♂ ♀, ant both 38.

Aphidius sp. abundant ♂♀, ant. 21. = Opiocomus ♀, ant 19.

Praon sp. common, both ♂♀, ant. = Rhoptrolepis sp. ♂ ant. = Delta depressa ♂ Cinetus atriceps ♀; ♂ Rhoptrolepis spiniger Nixon ? ♂ ; others

Chalcids ca 1 dozen, none very minute; sent 2 grains

Cynipids 2 minute ♂♂ Gall 1 ♀ } not dry.

19.6.61, cont. Tollymore Park, DO., cont.

Taken at 2 + in nodes.

Cryptocricotopus bicinctus ♀, 1 wtd = Physocricotopus [♂, ant. 23; ♀, ant. 19] ; very wide wedge!

Psectrocladius vecticauda, fig ♀, ant. 23 + (broken!).

Stempellina (neovitella) cf. pusilla ♀, ant. 20.

Boreoheptagyia cf. striolata Thom ♀, ant. 34. Eukiefferiella brevicornis ♀ : not wtd.

Orthocladius cantherius ♀, ant. 37 ; ♂ dark form, appears to have characteristics of E. brevicornis

Apsectrotanypus dilectus Hal ♀, wing wide;

Eukiefferiella = E. of pulchripes ♀, ant. 18+ : radius almost vestigial!

E. tirolensis (Goet.), ant. 16.

Micropsectra cf. pallidula Hood, Forcast, 1950 [ant. is dark, Hal.] : ♀, ant. 21.

Eukiefferiella ephippium ♂, ant. 42

Cricotopus sylvestris ♀, ant. 34. Wing of ♂ ant. 19 of ♂ from Travaby Sk. 19/12.6.58.

Eukiefferiella claripennis, hypopygium, metavarsus ♂ mounted.

D. dacia 2 ♂♂, ant. 34 & 35 D. nana ♀, ant. 36.

Eukiefferiella coerulescens ♀, wtd.

Hydrobaenus pilipes Goet. 4 wtd., ant. 23, 23, 24 & 24.

Aphaenogaster intermedia 1♂, ant. 22, 3 ♀♀, ant. 18, 18 & 19.

Protzia sp. 4 + in nodes 1 wtd, only wtd : See off page

Chironomus sp. 15.

19.6.61, cont. Tollymore Park, DO., cont.

Taken at 2 + in nodes

Stempellina 2 ♂♂ : not wtd.

Boreoheptagyia, 2 ♀♀ : only one wtd.

Cricotopus 7 wtd : wtd = Leptocricotopus ♂, ant. 27.

Acrodactylo cf. nudipes, small ♂, ant. 23. Eukiefferiella appendages to ♀ : wings 22 nodes!

Stempellina ♀ ♂ = ♀, ant. 23 ♂ / 20 ♀ Stempellina (N.) sp. ♂ ♀ nodes 20; [illegible] not yet known ♂♂ = [illegible]

Psectrocladius ? ♀ ♂, ant. 30.

Polypedilus westrupp 2 ♂♂ not wtd.

Cricotopus = Cricoptus forticeps, ♂, ant. X,

Asthenara cranifemur ♂, ant. X

Lithotanytarsus minutus cf. ♂, ant. 20 (= Tanytarsus ?)

Camptocladius sp., wtd, 2 ♂♂ [illegible] : none wtd.

Micropsectra pallidula 2 ♂♂

Eukiefferiella = E. of microcorna Thom (1957), wtd. 17. E. fennica ♀, wtd.

Tanytarsus = B. lugens/pallidicornis ♂, ant. 19 B. ? tirolensis ♀, ♂, ant. 18.

Tanytarsus chinyensis ♀ : wtd.

Opisthocladius macrocercus ♂ ♀ (= chiemensis Goet), ant. 50.

Orthocladius of oratoficta ♀ large ♀, ant. 21.

Eukiefferiella coerulescens, some yellow, D. nobilis, D. nana, D. dacia, 2 ♂♂.

E. pseudomontana ♂, ant. 25.

Aphaenogaster cf. subterranea ♂ ♂♂ = A. intermedia 14 ♀♀, ant. all 19.

← Three Protzia were taken at 2 + not 3, so transfer →

Cryptocricotopus scalenatus ♀.

Thienemanniella ? subgen. Hal. var. 2 ♂♂, wtd wings & nervures very dark, notum = more unusual, ♀♀.

Protzia sensu, mount ♂ 4 large wtd. = acicula ? ♀♀ ♂.

Eukiefferiella, ca. 12 wtd nodes, [illegible] ♀ genus.

Eukiefferiella ephippium ♂ [illegible] =

Eukiefferiella [illegible] =

1960-61 cont. — Tollymore Park, Co. Down, cont.

Taken at lt. u.v. station.

Cryptocercus 2 : 1 ntd. = Hemiptera ♂ ♀, ant. 24.

Polyplectron matinga 2 ♂♂, ant. ntd. 1st specimen ♀ ♀, ant. 29.

Mesoleius sp. a : 1 ntd. = Tm. sp. ♂, ant. 32.

Rhodinus sp. 2 = Acrolophitus dentifer ♂, ant. 28.

Halictus ♂ ♀, ant. 20.

Roga cultellarius ♀ ♀, dark var, ant. 41.

Leptocella sp. 10 ♂♂ 77, small black sp. 97 by path, tolerant, pale black.

Euplexia sp. pull sp. 3 ♂♂, at lt. u.v. 8 ♂♂ Pupation of pull sp. ♀ (2nd), ant. 16.

Species of Lepis ♂, ant. 22. Pupation of cutworm, small ♀, ant. 22.

Hydroecia micacea ♀ (very dark) ♂ ♂ ♂

28)

24·6·61 cont. Glyphotmanus (cont'd), & DO, cont.

Hooton, c 6 per minute: 1 Podocopid & 1 only std. =

Collected in greatest abundance & seems to exist right off

Rees confirmation Holding of Trichocythere byersae, with barbed wings

[24·6·61, cont. Received today, a ♂ Trichodelos elongatum from bred by S.S.H. Bryan from 'mud of inactive mi lake at the Tuskahoma Hill, Co. Okla, on 7·8·1960: note emerged from pupa on 23.8.1960.]

25th June. A dull, almost drizzling, day with 15° low for a change of town in the afternoon. Country

With J. Bowman to the Spinkwire River at 10 KM, valley by bus and foot. We rode as far as the Spinkwire River & walked from the road. The country, especially for Pyrite mines, which fifty years ago (before the railway) had reached [illegible] I had seen somewhere near the Spinkwire River. We reached the Spinkwire, but found the gorge embedded deeply in Mantuline & virtually impassable to penetrate. The gorge itself is impassible to wood, but slide is lined & [illegible] with a rather flora similar to our own, chervil, wild [illegible] (See also p. 62 to follow)

I collected by sweeping a w. w. end of "Reggie's Rd" & took the following, but did not collect entirely. Also stopped to examine the bored beach logs on coarse S of the West Brim & on the logs, both with my fingers 2 ♀♀ Ephialtes xyrocnemis, one of which was in the act of oviposting, & also a ♀ Hyperaeus crassicornis

25th June 61, cont. Tullgrens Creek, DO, cont.
(Along "Reggie's Rd")

Epitonus sp. Harmodes, ♂ ; not std.

Eryphnidae, 2 = { Homalota of Tricholeiodes ♀ ant. 22 [illegible] sp. ♀ ant. 25.
{ Diplocephalus sp. ♂ ant. 22.

Hyperaeus crassicornis ♀ ant. 31. Hyperaeus crassicornis ♀ on bored log.

Homalota flexuosa ♂ small ant. 22 Stenus sp. of nitidus ♂ small ant. 24.

Stenus sp. nitidus ♂ not std. Polylobita wingi ♂ not std.

Rhadrotoma ♀ not std.

Gen. et sp.? ♂ ant. 31 [illegible] Hyperaeus in litt. 10·7·61.

Microgaster calycatus ♂, not std. making it apparent from 24 VI 61 ant.

Pygostolus sictivus ♀

Stenus pogonus 2 ♂♂, not both 20

Brachyta flavicornis ♀, ant. 24. Aphidius sp. nr. rosae ♀, ant. 28.

Podagrica ♀ = 3 ant. sp.?

Haemonia nudum & nitidissima & Aphidius ♂♂, in swarms on wood, totally, none std.

26th June 61. Off to wet with, a cold day, but [illegible] [illegible] [illegible]

26. 6. 61, cont. Sand dunes, S of Murlough House, Co. Down.
=1/26 to 6/1961.

Pomatoceros approximatus. Large ♂♀ tubes share { first taken here by J.J. & King over 50 years ago. AWS

Serpula vermicularis. common on Sponge, 1 ♀ tube.

Hydroids, poor, 2 sp. =

Nereis pelagica ♀ juveniles ♂ not mtd., but see off. page →

Eunereis longissima 1♀ now mtd.

Harmothoe impar. 1 ♂ not mtd. 11 sp.° of not 28 Aug. since

Polynoe scolopendrina 3 ♂♂, 2 ♀♀: 1♂ mt. 31, 1♀ mt. 30 Jun et sp.°

Eumida bahusiensis ♀. not mtd.

Bravoa 3, including B. venusta ♂: of which 2 only mtd. =

B. sp.° ♂, mt. 26 alt. Hyde Lgh } B. hirsuta var. ♀ mt. 24
"var. of abyssorum or a. station nov." } agrees with type ♀ of var. taken here in (1) 29.6.57.

Eupolymnia nebulosa: 1 ♂ not mtd.

Pectinaria auricoma: 3 ♂♂: not mtd.

Thelepus cincinnatus ♀, very lightly coloured: mt.

Terebella nebulosa: 1 ♂: mt. 34: NB. This might be Spodegrania Hbl. Lgths 2 small tentacles upon ♂?

Streblosoma crassibranchia — abundant: none mtd.

Ophelina sp. — abundant: none mtd.

Pisione sp.: 1 ♂ Belyd & clone mtd. = Belyd. dejongeae ♂.

Polydora: sent to Graham.

26 6 61, cont. Sand dunes N. of Newcastle, Co. Dn.
Invert. taken at 2. Cold, dry & windy.

Third minute Polydora & Boccardia examined; the former need to probe & not transported. Five tubes taken for N. et I.
& with 2 Bryozoa & Pronts only mtd. as follows:—

Dicaelota moreana ♂, mt. 25.

Stenoecium "affine (A)" ♀, mt. 23.

Galeanna
Bryozoa 2 ♂♂ ♂ =

27th June Cloudy, drizzle & windless (W)
28th June Sunny, drier & calmer, very warm.
29th June Very hot, partial sunny, cumuli, with S wind.
Left home at 10.15 for Donaghadee, stopped for a few at Ballyhenry to call on Davey's brother (Rev. A.D. not held) & family, where in his retirement gave Ephesians, History, they have gone to live in "The Terrace". Reached Donaghadee, Rosemyrtle at 12.45 & spent lunch & afternoon with my niece Jennie Lee. Home at 6.15 PM. 4½ for tank.
30th June. A warm, soft-wind dull, dry & no rain here. Left breakfast 10.15 AM Robert in here morning & went to miniature golf course between Bryansford & Shimna Roads & one part of it used marsh at mouth of the Tully Annalong Burn. Collected & here mean as follows:—
1 = Foreshore part of drain S of golf course, mostly Off Glycera.
2 = Brackish part of drain E. of golf course, upstream Tidal limit & where Scrupocellaria grows & also Glycera at mouth of Burn.

30.6.61, cont. Miniature golf course, Newcastle, to Hour.

Taken at 1, from Cypress. fallen drain S. of golf course.

Hemicordulia tau Selys ♂ 2 ♀♀: one mtd. ant. 22.

Diplacodes bipunctata 7

D.(Ly) affinis 1♂, ant. 22.

D.(Ly) nigrescens 4 ♂♂ 2 ♀♀ 10 mtd, ant. 28. D. haematodes 9♀, ant. 19,

D.(R) melanopsis 2 ♂♂, 1 ♀, inclu. 1♂ and 1♀ from exuviae

Orthetrum caledonicum 1 ♂ 1 ♀ not mtd No.

Crocothemis erythraea 11 ♂♂ 8 ♀♀: 10 ♂ (ant. 24), 2 ♀♀ (ant. 20 & 21) mtd.

Sympetrum flaveolum ♂: not mtd.

Aeshna affinis: 2 mtd. = { Aeshna of paramorm ♀, ant. 17
                          { G of venomination Hamilton, mint ♀, ant. 16.

A. juncea, ca. 15
sent to Graham

Taken at 2 (branchial part of drain & adj marsh).

Argiolestes tillyardi 2 ♂♂ only (mtd = Hamilton ♂ ant. 21.

Procordulia grayi : not mtd.

Hemicordulia tau : not mtd.

Telebasis 5 ♂♂, 1 ♀ : 1♂, 1♀ mtd. ant. 31 & 30 respectively.

other Xanthocnemis ♂ = Scion as last, but extreme only 28 reg.

Austrolestes aridus ♂ : ant. 34.

Ischnura aurora ♂ : not mtd.

Xanthocnemis zealandica common

30.6.61 (2) cont. Newcastle, to Do, cont.

Diplacodes (Ly) nigrescens 7 ♂♂ 2 ♀♀, ant. 33 & 32.

Aeshna ♂ ♀

Procordulia 1

Hemicordulia tau

Austrolestes 2

1st July 61. A very warm, humid dull day, little variable light breeze or calm. Rained the rain most of the day, but more fell here & there during steadily.

2nd July. Fine warm day, sky stormy NW cooled wind. Rained all night, little left, Rained Sat NW all Wind, left house at 10 AM NW to the Forest Inn at confluence of the R Dee. left car at highest point on road 6 mile of the river. Shot 30 minutes or so three men wounded Skins Hamilton to cliff above E side of road. the river Pawley Farm, road Bend Farm, some by Hoffman Station range, the capital of Southland, on Hawea in place, Selwyn, Eyrewell Woodlands, Lyttelton Museum & Wildlife & collected a few dragonflies. From the record I should have the rest of a range which ought to be Wigfalls, but probably a few dragonflies & other insects [1 proved to be only Hemicordulia tau S. Nov. 1961] of a few species Xanthocnemis zealandica: those a pink form, also common & one very pale blue male. Considerable number of Pinguicula vulgaris seen just above the road. Salmo trutta on way up & on way down W. slope of Skiss Hamilton Hill but very windy!

North,

2.7.61, cont. Slack Ranch; rejoined Nth., Co. Down.

Forest, mostly on W slope, 1200 to 1500 ft.

[Small Heath Butterfly frequent above road & one ♂ Dark Tiger Moth (= caja) seen below cliffs on E. slope].

Acidalia trilineata ? 4 ♂♂, Black, and both 22. Hemithea aestivaria ♂, ant. 22
H. " ♂, ant. 19
other brightish ♂ = Hydrelia unca, ant. 19 =

Skenocoena of cognatus 86♂, 19♀ · 4♂♂, 1♀ wtd. ant. 21 22 23 23 (one), 22 (2). [resolution of obs. rather variable]

Xanthorhoe ♂, ♀, ant 20.
Melanthia ♂ 10♂, 1♀; ant. 36 & 32 respectively; some black.
Brenthis ♂ fraudator ♀; ant. 27.
Aspitates ♂ gilvaria ♂ 1 ♂; damaged
Calocampa vetusta, small ♀, ant. 32.
Eustroma reticulata ♂, ant.
Hecatera dysodea ♂ common
Noctua c-nigrum ♀
Agrotis segetum ♂ ♀ common
Apamea oculea ♂ ♀ ; only one wtd. = A. of ♂ common? ♀, ant. 17 [does not fit at all well]

Pseudoips prasinana ♂ fair

Blastobasis ♂ ♀

Coleophora ♂ ♀ bright red head → 2 ♀ =) possibly the species which make galls on roots of Potentilla ??.

3rd & 4th July 1961. Cycle from W mouth of 3rd night of 2nd, stay NW. wind on 4th, increasing somewhat in evening; dry till about 2 am & garden sufficiently wet from wind & weight. On 4th day the first rows in top border of wtd 17th wind = Silver Ghost = 2 oz, and a very poor yield of rice about potatoes; actual hours of daylight

Stanley Skelton reported evening of 3rd & 3rd to 4th evening of 4th with us. They & some 20 ex-pupils from Stranmillis Training College, Belfast, at Shore House for a week.

5th July. After a chilly & windy (NW.) forenoon, a very hot sunny afternoon, with wind & rippling sea in evening.

Left home with kite for Tullyrona Park about 10 AM. & went by Donaghcloud Gate round S. side of The Big Brin & did not collect till I got to the "This way to the Mountain Stone" where a bit of the old woodland remains: this = station No. 1. Also call in Hawthorn Wood

1. = bit of old woodland S. of the Mountain Stone, & above
2 = From No. 1 along S. edge of the W. Brin & then through the plantation to old track on NW. side of W. Brin.
3 = Old track back to top of Raggie's Pad.
4 = Down Raggie's Pad
5 = From foot of Raggie Pad to Donaghcloud Gate

Also some of the larger Hym. in killing bottle & these will be listed first :—

Very few Lepidoptera seen, but the following noted :—

Panthyrus quadricuda ♂. Odynerus of spinipes ♂, Vespa vulgaris ♀
V. norvegica ♀♀ gathering pollen at legs at W. end of No. 2.

Tollymore Park, Co. Down, cont.

5.7.61 cont.

Sweeps = killing bottle.

Enicocerinae ♀ ♂, ant. 35.

Cantharis pallidorum ♂, ant. 45. C. ovatorum larg, ♂, ant. 47.

Staphylinid ♂ = Electrocyptus arrogans ♂, ant. 34.

Nephrocerus scurrilis Hlgr. ♂ (1 fide) ♀ (1 fide) at bored log at 2, ant. 21.

Ephistemus gyrosoides ♂ (1 fide) ♀ (1 fide) at bored log at 2, in moth. date; 2 more sent to Scott to Brit. Museum.

Pseudopsis elegans ♀ at 1.

Enicocerus bruniceps ♀, at 1, ant 32.

Cis at ♀. nr. Tachyporus ♂, off oak, at 1

=

Xylodromus concinnus ♂

Scydmaenus hirtus ♂ (Black with red =

Tachyporus hypnorum is large dead ♀ protruding from one of the bore-holes in log at 2 + possibly host of one of the above species taken in log, e.g. Ephistemus gyrosoides Rosen!

Stonefly ? =

Taken at 1 + 2 = moths: 194 recorded!

Hemerobius ♂: not det.

Errotemnus bruniceps ♀, ant 32.

Orthocentrus respersus ♂, ant. 23.

Psicrostiguus ♀ ♂, ant. 28.

Platyusa 3 = { Haida ♀ ♂ and 28.
Platydracus ♀ ♀, ant. 21.
Quedius ♀, ant 21.

Tollymore Park, DO., cont.

(1) 5.7.61, cont.

Aparidea ♀ ♂, not det. Oxypoda multipunctata ♂ (syntype) ♀ (syntype).

Euplectus piceus ♀ group ♂, ant. 23.

Opilus striatopunctatus ♂, ant. 24.

Abundance of moths = abundance. D. melanocarus reported.

2). (1 ♂) Longitarsus ramosus ssp.

Nanophyes carinatus ♂ ♀. Cryptocephalus ♂ ♀ (1 fide) ♀ (2 fide) ♂ (1 fide) ♀ (1 fide) ♂ (1 fide) ♀ (1 fide) ♂ (1 fide) ♀ (1

Tollgate Park, DO, cont.

(2) 5.7.61, cnt.

Stenocora lineata, large ♀, not wtd.; also 2 ♂♂, ant. 30.

Rhadinocorynus nodicornis, 2 ♂♂, ant. both 19.

Tanitarbus triangulum ♀, ant. (15+).

Xanthophyia ?, indet., tegular wounded ♀.

Pristocera ? sp. = Pantisarthrus sp. nov. ♂, ant. 1 (bitten off!).

Braon variegatum, both ♂♂, ant. 31.

Meteorus sp. (anthemis Lyle ?), dark ♂♂, ant. 36 & 38. { Euphorus sp. (pallipes ?) 3 ♂♂, ant. all 23. 1 ♀, ant. 22.

Meteorus sp. (decepter ?) 2 ♂♂ (ant. 43 & ×), 1 ♀ (ant. 42).

Expanted petiole pmp 2 ♂♂, not wtd. Aff. sp. immune ? ♂.

Microgaster sp. (politus ♂.

Meteorus sp. (confusus ?) ♀, ant. 28

Microplitis ♀ ♂, ant. 27.

Parasites (#) of previous on the trees, 2 ♂ not wtd =

Dolichurus sp. 2 ♀♀, not both 21; I think these are correctly identified! NWS.

Cephidae sp. dead: none wtd.

Pterocheilus sp. present: none wtd.

Bethylid, ♀ =

Cynipid 1

Chalcid (unit ♀ emerg.) (large none): not to group.

Tollgate Park, DO, cont.

5.7.61, cont.

Tabanid ♀ = Acanthocera sp. ♀.

Syrphid ♀ = Ocyptamus sp. ♀.

Empidid, none wtd. ♀ [illegible] sp. not wtd.

Polystictus sp. (on 12/1971 conifer type, ♀ only) not wtd.

Stenocora sp. ♂ ♀, both ♂♂ ant. 21. Orthocentrus sp. ♀, ant. 25.

Typhlodromus sp. ♂ ♀, ant. 27, wounded?

Rhadinocorynus sp. ♂ ♀ = ♂ ♀ not wtd.

Exparaleptus sp. ♂ ♀ not wtd.

Braon variegatum (another, a head ♀, ant. 31 now bitten off short.

Expanted petiole pmp ♂ not wtd. Microgaster sp. politus ♂ ♂.

Xanthophyia ? sp. 3 ♀♀, all dark, not wtd.

Aphelinid sp. pmp ♀ large ♀, dark wing! Ant. 18+, prop. stings injected into Pristocera sp. nov. ♂ ♀.

Pristocera sp. nov. ♂, ant. (27+).

Eulophid sp. ♂ ♀ dark, none wtd. Euphorus punctatus ♀, ant. 11.

Aphelinid sp. ♂ ♀ = ♂ ♀ of previous, dark ♀, ant. 19.

Proctotrupid, 3 genera + some unsorted; none wtd.

Bethylid, ♀ ; 3 wtd. = Zygota nigra Thom. (= Z. canonica Kieffer) ♂ ♀.

Chalcid ♀ numerous, not to group.

Cynipid 1 =

5.7.61, cont. Pilgrim's Park, Dd, cont.

Tube at 4p.c. = nuda.

Simulium ? Hafteren nebeculosum, mtd ♂.

Solenduvia notata ♀.

Eriopterini ♀ = Hemiteles ? ♀ ♂, ant. 21.

Exolytus ♀ ♂, ant. 28.

Acrodactyla quadrida ♂, ant. 24.

Polycystis ventricosa ♂ (♀ ?) = ♀ parva : none mtd.

Monoblasta ♀ ♂, ant 32. N. Tenuis parasite!

Mesochorus ? ♂, ant. tube =

Mesoleius ? ♂, ant. tube =

Microgaster ? ♂, ant. only 27-segs.

Microgaster pallidus ♀ ♂

Meteorus pallidus (or deceptor ?) ♂, ant. 43

Hyposoter ebeninus ♀, not mtd.

Opius xanthogaster ♀, ant. 34.

Dacnusa (♂) ? Phaenocarpa ? : none mtd. Aphidius fulvicornis ♀, ant. 24.

Dacnusa ? ♀, ant. 22.

Aphidius ? ♀ ♂ ? Hyperaspis ? ♂ ? : not mtd.

= Aphidius pleurocommae ♀, ant. 18.

Praon ? ♂ ? Ephedrus ? ♀ : only one (large) mounted

=

Blastothrix ? sp. ♀ mounted.

5.7.61, cont. Pilgrim's Park, Dd, cont.

Tube at 5 p.c. nuda

Simulium ? Larva ♂

Pupoid ♀ =

Eriopterini ♂ : not mtd.

Proclitus ? nubilus ♂ ♀, ant. 22.

Trichopria nitens ♀ ♂, ant. 32 & 33.

Exallonyx ? Exallonyx ♀ : not mtd.

Spilomicrus ? Spilomicrus ? : not mtd.

Dacnusa (♂) ? Dacnusa ? Dacnusa ? ♂, ant. short. } mounted.

Dacnusa ? ♀, ant. long.

Diglochis ? ♀ ♂, ant. 3.

6th July. A warm misty morning. Heftonian I joined a party from Stranraer Training College, Stafford, on the moor above the disused railway, on the E. of the castle, to Drum. Swept a little on the moor. Net a little. Took the following :-

Hemiteles ? ♀ not mtd. Hygrocharis ? ♂, not mtd.

Planitorus ? ♂ ♀ = Hygrocharis ? Exallonyx ♂, not mtd.

Diptera observed ♂ & ♀, not taken if very minute specimen

Dipterous ? of veins ♂ ♀ Pentaphlebus ? ♀ : not mtd.

Dacnusa (Coelonia) ? ♀ } not mtd.

Pimpla ? nubila ♀

Blastothrix sp. ♀.

7th July 1961. Very dry, warm, sunny.
8th July. Similar, but more cloudy.
9th July. Main session brought to bus route St. Forthill spent day with us to get ready to show visiting week in Belfast Museum. In forenoon we got Rathcoole & in garden & afterwards Lepidoptera = Tipperary Wood, we went up into the wood to sweep & dredge, but found very damp yet dry & grazed & closed & found nothing, except dozen off Perizoma lutetiana & quantities of Scirpus cespitosum, Red Cattle & sheep appear not to eat. Sunday.
10th July. A very dull day, closed raining, but no rain fell till slight drizzle at 10 PM. Mainly calm, but at times during the day a cold damp E wind. Clear off the sea.
11th July. After noon slight drizzle during the night, drizzle started about 10 PM (Off & On) & later became steady & prolonged rain, with variable wind & evening wind rose to moderate from South & then & stopped rain, garden nicely wet & plants refreshed.
12th July. After an absolutely calm, damp, mild, night drizzle started at 9 PM & [illegible] & heavy rain, till 3 & & small of & wind, By 10 AM. it was dark, foggy & rainy wet & calm mild.
The rain cleared about midday & we had a very hot humid & entirely sunny afternoon, although glass continued to fall: this was followed by a severe thunderstorm between 8 & 9 PM & heavy rain, which came from SW & passed over us & out to sea at 9.15 PM

13th July 1961. A nice, very pretty day of sun & cloud & a couple of showers and light breeze [illegible] & E. this wounded at 1 11 PM & continued for some hours.
14th July. After a wet night & fine day promised so we left Stock Shelter & set off for Tollymore Park at 10 AM, but drizzle fell & it rain & rain at 1 PM so gave it up, & we came back. By 4 PM we had come out & [illegible] & a little sweeping of trees & bushes in the garden of old workhouse & gate beside at top of Baggin's Rd & here took the following before 4 & 5 PM. Home at 5.30. No insects seen at the forest beech trees we used & gate to Brid.

— Tollymore Park, Co Down.

Beetle =
Earwig ♀ = Forficula auricularia ♀ & Labia minor ♂ & Anisolabis maritima ♂ (under bark in rain)
Diptera = Leptis scolopacea ♀ & ♂, ant. 27 (under bark in rain)
Moth =
Hemaris fuciformis ♂, ant. 23.
Odonata = ♀
Gryposomatus ellipes ♀, ant. 21.
Peizotaplus retusanda ♀♂, ant. 29
& also 1 below 2 ♂♂, ant. 27 & 28!
Mesoleuca ♀ & Eulithis ♂: both of reed waterside — under bark ant. 37
Noctua ♀ & ♂ dark ♀ with red mesonotum; ant. 25.
Boarmia repandata ♀ ♂ = (cf. Biston?) ♀ & ♂, ant. 31.
Hebrisa ♂ ant. 27 = Apocheima pilosaria ♂ & Alsophila aescularia ♂, ant. 32
Bicolorana bicolorana ♂, ant. 33.

Tollymore Park DO, cont.

14 7.61, cont.

Operetta Caterakis ♂.

Microgaster of. spretus ♂

Microctonus sp. ♀, semilestaceus, ant. 21, short tarsus!

Pharoscelpa rufiscapa 2 ♀♀ (Skidle) from pellet of ? Kestrel (one very much darker, ant. 23, the other pale, ant. 26.)

Pentaplasma punctata ♀ : not wtd.

Cryptidota sp. ♂ : not wtd.

Dacnusa areolaris abundant. ♀ - Longicaudis ♂ !

Proctotrupes sp. ♀, including 2 Babylas, of Nat Hist type, ♂ Chalcidoma

taken by Skidle on dead tree with grigon = Peroxylabus seminigra ♂.

Chalcids : about a dozen : 3 wtd (sum sp. 20?) 19, taken with worker ants by sp. in rain

Taken Excellency longicornis ♀.

by pitfall : 1 minute : not wtd.

The other taken with leaf in rain = Cf. Pezomachus fuliginosum ♂.

15th July. A nice day with occ. showers, but no rain. Cloudy, humidity appreciably lower than yesterday. Wind

On evening of 14th Messrs. Dr. ? Revd. Baldock, of 21 Nile Rd. Bootle, ? Lancs., Hand Tinn, called to discuss Natural History & its declination, in Ireland, in the course of which C. heard of Hesperia. He had trapped with a light net at Newcastleford, & the Inspector for Rivers about 1944. Had applied for info. information concerning. Mr. Jermyn - recorder (Geo & Nat Hist) found the species, taken in the Shannon Estuary. He & the 2 understood English well & ran a very nice Dep. aged 40. Stanley Shackleton called also to say good bye.

16th July 1961. Although glass had risen for 36 hours & was still rising, the day opened cloudy with a very cool N. breeze. There was slight drizzle at intervals all day. Very bad weather prevailed in England during last few days.

In afternoon Daisy & I walked to Tollymore Park & Gruneyard & round by the quarry & N. of the E. Drive & on to the tarred roads. Very few insects seen. Found a ♀ Ephialtes xanthocerus ovipositing & caught the ♂ another ♀ a few minutes later. Collected into two nets in following areas :— Left home at 2.15, home at 6.15

In sweep Net No. 1, From Gruneyard Gate up avenue to Yard & then up path to upper road : A good deal of path took about a dozen Braconids (one Pelecinus) off side of quarry : Some [illegible] end of path & [illegible] : by road past quarry, up grass bit of old road

In sweep Net No. 2. From cross of old road (S. of Quarry) at the gate, down Tall Ash Tree, by avenue around the ♀ on to the tarred roads S. of the W Drive, & a few taken from foot of Raggles Rd, via short cut, to Gruneyard Gate & my home.

Tollymore Park, Co Down.

Taken at 1. Ryssidonus ♂, ant. 21 =

Rhinella sp. pectoralis : 1 ♂ ant. 20. Platygaster with no areolet!

Helcinella (or Eupelmella) ? ♂, ant. 21 =

Braconid wing only ♀ : a very perfect specimen! Ant. 22.

Eucharid ♂ = Eolantes variolatus Hal. ♂ ant. 24, wings very dark!

(1) 16-7 61, cont. Tollymore Park, DO, cont.

Opius xanthogaster wlk ♂, ant 35.

Asbolus flavicauda ♂, ant 27

Aphidius spp. a number of ♀♀ on a leaf of garlic mustard (Alliaria officinalis), ant 24-27 diff. in markings, & possibly on subst.; on 5.8.1961 I sent 3 of the ♀♀ to Mr. Marsh, Dublin, as well as ♂♂ from Baird Ave., WI, 18.6.1950, which I took on same species.

Praon (sp?) ♂, ant. 17 = "subflavum", not ntd.

Aphidius spp. 1 ♀ seen; not ntd.

Ceraphidius spp. 1 ♀ = [illegible]

Perilitus 1 ♀ = Oxylabis mandator ♀.

Blacus: about to; not to [illegible].

Taken at 2.

Bracon sp. ♂, ant. 20 (ant differing in several ways from ♂ no. named from Rathmines early 3rd, 1947 [illegible])

Idiolispa analis ♂, ant. 29, Perkins.

Ephialtes sp. nov. near Ro. 2 ♀♀ on boxed beech log, one of which was ovipositing; ant. 27 & 28.

Exetastes fortipes ♀, ant. 26.

Homocidus fortipes Perkins ♂; not ntd.

Phygadeuon maritimus ♀, ant 18.

Pimpla spp. ♀, ant. 30. Stenomacrus of exilis ♀, ant. 22.

Stenomacrus of motionellus ♀, ant. 22

Mesochorus sp. ♂, large, red thorax, ant. 27.

M. sp. ♂, small, ant. 29.

Rhodites proctor ♀

Phaenocarpa sp. ♀, large, ant. 23.

(2) 16.7.61, cont. Tollymore Park, DO, cont.

Trachyusa aurora ♂, small, ant. 32.

Dacnusa (R.) areolaris is not abundant; also a few longicaudis.

Aphidius spp. abundant; 1♀ 2♂♂ only = light pleuralis, ant. 18.

Proctor 2 large ♂♂ = Phaenocarpa extensa Nees ♂ & Exallonyx niger ♂.

Chalcid, ca. 20, including 1 large ♀ & one very small example.

Diptera 1 = Bibio pomonae ♂?

17th July. A nice day dry, not many [illegible]

18th July. A good & appropriate day, mainly ♀♀ = NW-NE 7th. wheel produced some examples & both ♂♂ & ♀♀ appeared [illegible] 3 [illegible] from [illegible] in early.

left Longstone at 10 am.

left Longstone, & went to Tollymore Park, via the Newry-Kilkeel gate & collected in three areas, as follows:-

1 = From Newry-Kilkeel gate, in direction of pool of Aughrim Glen, to Forest Lodge.

2 = From foot of Aughrim Rd to top of Glen road on N. side of the W. down the lowest plain by old track N.NE - S.SW.

3 = From Lodge gate back to the bottom of the Aughrim Glen road on the right hand.

Tollymore Park, Co. Down.

In killing bottle. Large Horse fly = ? Heliophilus pendulus L.

Polybletus ♀, ant. 31: common on up all thick fences.

Mesoleptus pseudocurvus ♂, ant. 36

Mesochorus fulvus ♀, ant. 43. ♂ between, large with median [illegible]

Exen pimplas of fasciata ♂♀, large, black & red, ant. 52.

Pezomachus sericeus ♀ large ♀.

18·7·61, cont. Tollymore Park, DO, cont.

Taken at 1.

Cryptocl. [illegible] Hilfordi gregale ♂♀, Hemiteles ♂♀ 3 ♂♂; now mtd.

Hemiteles ♀: ♀, ant. 21.

Pronotus reticanfer ♂, ant. 23.

Phaeogenes nubecornis ♂, ant. 19.

Mesoleius [illegible] ♀: ♂ ♂: ♂, ant. 37.

♂ ♀ ant. 34. ♂: ♂ ♀, ant. 32.

Cryptidiplex albipalpis ♂: not mtd.

Phaeogenes ♀ ♂, ant. 23.

Rogas [illegible] ♂, ant. 39 + small + dark, mtl dorsal strips.
microplitis of tuberculiferus ♂.

Macrocentrus collaris ♂, black var.: external segment expl. mtd.

Agathis ♂♀ = Microdus cingulipes ♀, ant. 30.

Odacon fuscanus ♂, ant. 19 "tinged"

Cryptocl. [illegible] ♀: not mtd.

Cryptidiplex atra: ♀ ant. 27.

Cryptocl. [illegible] ♀ ant. 16 ♂, ant. 27.

G. [illegible] ♀ and ♂.

Dacnusa (A) areolaris in addition to D. (B) recognised this year

Cryptidiplex ♀♀ abundant
Triptodon bicarinatus ♀
Mesoleius ♂ Rogas.
} none mtd.

Ephialtes [illegible] & manifestator ♂ on ♀♀ page →

Bassus ♀ (2nd Europ.) =
Diplazon ♀ on page =

18·7·61, cont. Tollymore Park, DO, cont.

Taken at 2.

Phaeogenes ♂, ant. 26 =

Cryptocl. [illegible] Triptocryptus ♂ + Stiggeodon ♂ not mtd.

Hemiteles ♀: ♀, ant. x

Pronotus reticanfer ♂ Cyprus!

Polyblastus wesmaeli ♂ + ♀ mtd. [illegible]

Helcista ♀ + ♂ + Atanycolus ♂ ♀ [illegible] = Allomacrus pimplarius ♂, ant. 22.

Helcon pilicornis ♀, ant. 28. Helcista ♀ ♀, ant. 20.

Symplecis xanthostoma ♀, ant. 21.

Bolitobius bicornis ♀: not mtd. Cryptidiplex pallipes group ♀

Stiglophus ♂, not mtd.

Phaeogenes nanfrifer ♂: not mtd.

Cryptocl. [illegible] ♀ same as the ♀ from forge at 1, ant. 24.

G. of supra ♀, ant. 24.

Dacnusa (A) areolaris is abundant on elsewhere: now mtd

Cryptidiplex ♀♀ common; etc. = Cryptocl. pleuracanae ♀, ant. 19

Triptodon ♀ = Oxyglabis thomsoni ♀ ♂ = Diaplasis

= Apanteles clavatus ♂ fide Graham 21·7·61, in litt.

Ephialtes + manifestator: include ♀ ant. 31, ♂ same as ♀ at 1.

19th July 1961. A very nice day with light variable wind & very hot sunny periods. Very following eleven days, night. Record a list of things that were out & notes on a sunny day.

20th } July. We very busy, cutting, with ally. shed hand & saw first
21st } day, [illegible] the sun. Had a short rotary cycle
22nd } & on 21st the took over 2 hours a evening. Spent these days
mainly clearing away summer growth & burning what I had cut,
including the Barbican hedge, cliff edge, bog road.

On evening of 22nd Mr Lacky, the postman inspector, visited
called + spent the rest evening in Golden Wonder & Lafe
Board — walk & said my Ballydoon was really
the "Best of Quiet" & several other such complimentary remarks
& finally promised to get me my bill mail for next year.

23rd July. A hot, calm, warm day, cutting shrubs, with
very light NW. breeze at time. Sunday.
In forenoon I went to Tipperary Wood & collected
by sweeping for an hour from 11.30 to 12.30 noon. = 1.
In afternoon we walked through the Drimarkilly plantation
& across the Tullylaraniga Burn at the ruined wall work
hut & then SW to the moor. Ascended up through the old
bracken & rushy a little. Tu = 2.
On the moor brought for half an hour & then = 2.
The moor almost absolutely dry, [illegible] already &
flower & [illegible] bushes, heavily flowered,

Sp. 18.7.61, ant. Tullyraniga Park. DO, ant.

Tabanidae 3.

Empididae 1, [illegible] = Hemitela [illegible] small & [illegible] ant. 21,
Hemitela ♀ ♂, ant. Wood also, ant. 20: Very dark specimens ant sup.
Apiocera ♂, ant. 31, white marked face & thorax ♂
[Epistrophe aegrocerodes ♀, seen at the wood by ant taken!]

Syrphus [illegible] ♂ typical ant wtd.

Polyblastia [illegible] ♀, ant. grey [illegible] ant wtd.

Odonata 2 { wtd. = ♂, ant. 30, sp.? Stenurus caudalis? 10♂, 9♀♀; ant. 23, 22 ♂ X.

Nematocera 2, wtd, ♂♂, ant 28 x ♀♀ =

Orthorrhapa [illegible] ♂, ant 25, Rh. nasuta Pipunculus [illegible] ♂, ant. 28.

Platypezidae 2 = Mi. cava [illegible] ♀, ant 15.

Megaspilus cynipoidea ♀, ant 46.

Ceraphronidae ♂ [illegible] ant wtd.

Trigonaspis calcaratus Hal (♀♂). Tr. flavipes Hal: ♂.

Trigonaspis medianus: ♀.

Apocrites of [illegible]: ♀

A. of Eucoxantripteron ♀.

Blasto: ♂♂.

Dacnusa areata Hal ♂, and Hal: very nice specimens.

D(?) [illegible] abundant: ant. 31. Adelura flavicoxalis ♀, ant. 29.

Trigonaspis calcaratus: wtd ♀, ant. 11.

Ephedrus plagiator [illegible] wtd wtd. Diplolepis ♂♀ common: ant wtd.

Eulophidae & Encyrtidae: 2 Eulophidae wtd = ♀♀ Encyrtidae ♂
& 2 Encyrtidae wtd ♀ ♂

23.7.61, cont. Tefferson Wood, nr Newcastle, Co Down.

Insects taken at (1) 23.7.61, almost all from rank herbage on E margin of wood

Phragmatobia 2 = Phragmatobia oscularis Fabr. ♂ ant. 26

Anorgus (Orrosia) rufipicta ♂, ant. 22.

Lasiocampa quercifolia ♀, indet.; Hemitheia ♂ (ant. old) } Small Hook-tip ♀ ant. 19 = Eustroma sp. teste J.F.G. Clarke; ♀ Hemitheia ? Hemitheia sthl., ant. 21. Epirrhoe sp. ♂, ant. 21.

Promethea pulchellata (2) ♂, 1 ♀ Eustroma reticulata (1) ♂ ♂ : worn old.

Eupithecia "trisignata", ♂ ♀ ant old Acronicta megacephala ♂ ♀, ant. 23.

Homoeidia fasciana ♀, ant 23.

Stenoptilia bipunctidactyla ♂ ant. 28 [var. iglantella Fuchs of which I am doing. Cf. pterodactyla ♂ ant. old ♂ ♀ :]

[Pterodactyla ♀ ♂ worn : AWS ♀ : I think the reports to the small Hook Hemitheia ♂ refer to above. AWS. 1962]

Hemithea thymiaria ♂ ant. 18 =

Hemitheia ♂ ♀, ant. 21.

Eustroma ♂ - ♀, ant. 19, teste J.F.G. Perkins (19.4.1962) : see above under Hemitheia ?

Spathusa ♂ : subidea ♂, ant. 24 : correct spelling

Ephestia of pulchra ♀, Hyles galii bordered with grey : Ino lost or Proserpinus.

"Spilosoma lubricipeda nubi, non Thomson" ♂, ant 26.

Eupithecia of graueata ♂, ♀♀, worn, all ... ant. Cr. atd. about expand., 18. segmented.

Prot. = 3 (1 dot ½ + d) : 1 ant. = Exallonyx microcarus K. ♀

Cynipids 3 + some minute.

Chalcids ca 50-60, mostly very minute

Saxby = Selandria (Melicerdus) ... Hymenoptera ♂ Tent and cell wings, abdomen ! Hemipteron ! -

23.7.61. Cont. Wood, Drumaballyroney, Newcastle, Co Down. 3.0 to 4.0 P.M.

Insects taken at 2 : i.e. from old track in N. side of Drumaballyroney

Bryophid ♀ = Eulamprotes wilkella ♀ and ♂.

Stigmonota = Argyroploce lediana ♂ ♀, ant 24. = Cnephasia longana Haw. fide J.F.G. Perkins.

Promethea Epicnaptera ♂♂.

Plectiscidae 3 = Ingrimella ♂, ant 23.

Polycystus of fasciger Nees. ♂, ant. 17. Eurytoma of dimidiata ♂ ant. 20

Aspidote ♂ minute

Bracon macilata ♀, ant. 36/37

B. circulans abundant.

Microdus rufipes 1 minute ♀

Ephedrus plagiator 2♀♀ E. lucorum 1♀

Aphidius ♂♂ : 2♀♀.

Proctos. 4 (3 dBelyt-d) = Isomerus laticeps Thom. ♀ Proctotrupes of minute size ♀

Belyt. = of pubescens Kieff. ♂ ♀ : Nixon registers. = 1♂ dated 28-11-1960.

Also 1 minute, wingless ♀ of Sp. ? Belyt. : =

Chalcids ca 1500 : mostly minute

23.7.61 Moor at Tonaghmore, ca 800 ft. alt., Newcastle, Co Down

Insects taken at 3 p.m. on the moor. Ant of Myrmica laevinodis ?

2 Grasshoppers / Gryllids ?

Eucallipterus ♂, ant. 20. = [illegible] Chalcids 5 (very minute); ant ♀ Braconid

Cynipid ♀ ant 23 ; Belyt. ♂ ♀ ; Proctos. 4 (3 dBelyt-d) = Isomerus laticeps Thom. ♀ Proctotrupes of minute size ♀

Cynipid + minute ant ♂♂

21st July 61. A warm sultry day, hot dry & mainly cloudy, with wind backing to S.W. a sunny & fresh evening, & cool.

22nd July. A warm sultry day with strong S.W. wind. Drizzle set in about 11 AM. followed by rain & drizzle, but cleared & blue sky all evening & night, wind rabid & good the rain had done us much no

Evening afternoon, Bryan Wood, Esq. & his brother Peter, & the father called & had cup of Tea & inspected the garden. Bryan is at present taking a 3 year horticultural course at Edinburgh Bot. Gardens.

26th July. Gale from S.W continued all day till 9 P.M. & did much damage in garden. Slight drizzle occurred more than but not enough to damp it and Dyrris yesterday & today. Today 7 rows of potatoes in top plot & only got 2 buckets full of small potatoes.

27th July. A dull day, no sun, with drizzle & rain at times, clearing in evening: wind light SW-W.

28th July. After a shower during night & strong NW wind, a dry day of cloud & sun. Got a bonfire going & burnt a lot of rubbish & dug last 3 rows of potatoes in upper plot. George & family arrived for week-end after nearly a fortnight's delay to the busy ill with mump. at Ballyconnery

29th July: Warm & quiet in forenoon with light drizzle in bits, but none to speak of here, after a windy night: about noon wind dropped to calm & in afternoon sprang up from S.E. off sea sun came out & it was hot & warm sunny evening & by 4 PM. in hot sun I watched a ♀ Colletes succincta gathering pollen at flowers of Ballota ruderalis in back garden & caught with hand & ♂ flying over the heather: both very fresh & this is my earliest date for the Bee which is near to N.E. Ireland, but taken in '60 Cavan by R.C. Faris.

30th July 1961. A humid sultry day, dry but almost entirely cloud, wind variable light, mainly S. or SE. Left home on bicycle at 10.15 & went to Tollymore Park via Burrenhead Gate & collected by sweeping in four areas, as follows:—

1 = side of avenue from Burrenhead gate to foot of Raggie Pad. 10 at 10.45 to 11.15 A.M.
2 = Raggie Pad & broad wood S. of top of same. 12 noon till 1.10 P.M.
3 = Path of old woodland S. of broad wood. 1.30 – 2.15 P.M.
4 = from 3 along avenue S. of W. Drive & back on N. side to top of Raggie Pad. No Sirex seen or heard boys!

Tollymore Park, Co. Down.

Insects taken at 1.

Ichneumon specimens ♂, and 36: sent to the Entomologist!

Cryptinae 3: 2 Wds. = Stilpnus gagates ♂ ant. 17. Ephialtes ♀ ante ♂ ant. 21.

Tryphon ? ♀, ant. 27. Tryphon sp = Exeristes!

Pterocormus fulicornis ♀, ant. 46.

Glaresis ♀, ant. 29 =

Polyblastus ? (pretarsi absent!) ♂, ant. 31.

Hoplocampa crataegi, flavicincta, obscuripes ♀, 1 each. none ♂♂.

Promethes bicuspes 1 ♂ ♂: none ♀♀.

Pterostigma ? ♀. ♂, ant. 29.

Tenthredinidae 1 = Acantholyda nemoralis ♂, ant. 26.

Bracon ? brevicornis ♂ minute ♂.

Blasticotoma pygmaea ♂, ant. 19. NB. ♂♂ in coll. under this name appear to have entered in recorded records in error & ought to be recorded as ♀♀ R.W.S. 22-2-62

(1) 30.7.61, cont. Tollymore Park, DO. cont.

Trachyneura aenone ♀♀

Dicranus arcolaris in millions, also longiradiis, 2 fer.

Ephedrus plagiator 2♀♀ . Aphidius ♂♂, abundant.

Proctos: mixed frequent + H. ithon (3 Bdelyt.) : 2 Bdelyt. hosts + 1 Ithon ent., mtd. :
= Bdelyt. depressa ♀. 6 mixed emergations ♀, other than (2) 4.6.1961 + both Nixon

Rhodites in abundance.

30.7.61. cont. Taken at 2.

Dicranus ♂, ent. 32. - "Dicranus sp." of Perkins, 19 + 62: cf. bidentatus? Ant

Bdelyt. 2 : mtd = Leptopilina ♀ ♂ ent. 31.

"Tryphon" Trachyneura ♂, ent. 31. Tryphon (lc.) elongator ♂, ent. 34.

Hormius lativentris 3♂♂ : not mtd. Mesolexis ♀, ent. 39 =

Pseudogonatopus ♀ : not mtd. Alloxysta ? victrix ♂, ent. 48.

Eucoila cf. citripes ♀, very nice! Ent. 35.

Trybliographa ♂, ent. 30.

Eucoilidae 3 - Eucoila ? cameroni! ♂♂, ent. 34

Melaneura sp. nov ♀, ent. 34, also a male ♂ not respecially same species

Platygaster 3 = Platygaster ? sp. 2♂♂, ent. both 31.

Dicroloma hirticornis ♂, ent. 29

Apocrita of genera 1 ♂.

Mesogeneura flavipes 3♀♀

Eupelmus pulchriceps 1 (♀), ent. 16

(2) 30.7.61, cont. Tollymore Park, DO. cont.

Leptopilina clavipes ♀, ent. 33.

Pentapleura pavida ♀.

Dicranus arcolaris : millions ♂ + few longiradiis

Raon volucre ♀ Ephedrus plagiator ♀.

Aphidius ♂♂ abundant, only 1 ♀ mtd = 6 pleuracanae ♀, ent. 19.

Proctos: mixed frequent + H. ithon : 2 mtd = Pentacladia ♀.
1 mixed Alloxysta ♂.

Rhodites 20-30.

30.7.61, cont. Taken at 3.

Phygadeuon ? ♂, ent. not mtd.

Orthocentrus or Synetrus ? ♂, ent. 37 =

Hybrizon clavator ♂ : not mtd.

Apocrita of genera ? ♀ Mesogaster flavipes ? ♀

Microdus simplicipes ♀, very nice! Ent. 30.

Ephedrus lacertosus ♀ Dicranus (♀) affinis ♀, D. arcolaris abundant.

Aphidius ♂♂ common : not mtd.

Bdelyt. 2 = Leptopilina ? clavipes ♂ " ♀

1 mixed Alloxysta ♀.

Eucoilids ca. 20, including 2 especially interesting looking! Isolated!!
all sent to Fraser.

30.7.61, cont. Tollymore Park, DO, cont.

Taken at lt.

Sawfly: Heptamelus ochroleucus ♂

Eratyra varicornis ♂.

Diptera 2

Ischnocerans 4 ♀♀: 6 larvae of Limnia ♂, ant. 26. 5th of furcicornis ♀, ♂, ant. 27.

Epitheca bimaculata ♀♀ 2, ant. 21 & 23

Long-jointed 3: 2 ntd. = Clinocera of tenebricosa ♀, ant 20; { Platypalpus nivalis ♂, ant. 24 = }

Pimpla of detrita 2 ♀♀, ant both 23: one larger, one medium-sized.

Ischnocerans reticornis ♂, ant. 31: must be ♂ of 2nd brood!

Promachus bicrucifer 6 ♂♂: not ntd. Homocidas obscuripes ♀: not ntd.

Stenoxenus of. concinnus ♂, ant. 27: radius (3rd abscissa) initially straight!

Gen. et sp. ♀ 1 = Mesoleius of near segmentator ♀ ♂, ant. 26. ♀♀

Dryptes praeruptor ♂♂ 17 ♂♂ of season: not ntd.

Plectiscids 2 = Diconus hirticornis ♀, ant. 27

Plectiscus ♀ ♂, ant 20.

Microgaster flavipes Hal. ♀

Cyanites sp. ♀: now ntd

Leiophron futurator ♀. ant 26+, broken.

Perilampus punctiventris ♀: not ntd. Diplazons tarsatorius abundant { S. melanocerus ♀ — none ntd.

Eplebrus (Exetastes) ♀, not ntd. Aphidius small ♀. Gliff. common none ntd.

Proctos. ♀ + many minute ♂♂: 6 (large) ntd. = Exallonyx longicornis ♀.

Oxylabis maculata ♂♂. Pantoclis striola ♀ ♀.

Acanthoma? ♂♂ 200 ♂, ♀

(4) 30.7.61, cont. Tollymore Park, DO, cont.

Chalcids 30 odd: not typed.

Typefish 6 fems, normal limits; not ntd.

31st July. After some welcome rain at night, 2 mls/day, wet early light NW wind, veering E in afternoon & falling calm — evening; dull in forenoon, but becoming sunny & warm towards sunset. Grange & family left for home.

1st August. Light rain & mist night & heavy dew, & dull, chilly misty day, with fine clearing — distant, but soon came here till 7.30 P.M., when we had a shower & heavy shower with fine following thunder & evening rainbow. In afternoon I caught a nice ♂ Ischnocerus sp. flower flying over rock garden — local garden: the 2 bed new is more like the previous day & one a few yards from it over three years ago, which I failed to capture but was nearly certain of its identity.

2nd August. mainly fine after a dry night, with considerable sunny periods — forenoon, mainly cloudy — afternoon & evening, with showers at 11 AM & 3.30 P.M. Wind very light, NW.

3rd August. A genuine wet day! After a calm night drizzle set in about 7 AM. but no rain till after 9 AM, then wind & rain gradually increased & S-SW & eventually W gale blew all day, with severe gusts & bursts of heavy rain, about noon the temperature rose to very warm & muggy & this continued till bedtime. Found broken & damaged in garden I fear.

4th & 5th August 1961. Fourth with light frosts & showers. On 4th & day 3.5° F at 9 A.M. Some of potatoes at W. end of new plot & got good crop considering the recent drought. These were planted on 27th April.

6th Aug. Sunday. Brian L, Mr Caldwell & I made an attack on Slieve Beagh, Brian, L, Mr. & Mrs. Caldwell, Mr & Mrs Caldwell.

Taking the car up the dreadful road up Tassy Valley to about 700 ft at. we then set off for the gap between Slieve Beagh & Slieve Meelmore, Mrs. C. ladies stayed in the valley. We had turned in near, after a long & heavy shower, at foot of cliffs of Slieve Meelmore about ½ mile N. of the col & then proceeded to name & up S.W. slope of Slieve Beagh, the actual summit of which is a 30 foot granite tor of one side of which one has to step carefully to avoid the fallen, cliff-ward, tablet-sized steps. Now this is a significant rise & block-plateau, but having run out of cairn-men I could not exploit the circle.

We returned via the Hearse Gap & back to car at 6·30 P.M.

The morning was very bright & hot sun - after a calm & clear night, wind W. light, but about noon a heavy shower came up from W. wind dropped & shower lingered on us for 1 hour PM. Then we had bright hours on fine hard, with cliffs, more rain & shower, cloud & sun, more rain but on a finely & light-showery & a fine calm evening. The granite has a very poor flora & of the rare plants we only saw a very little Salix herbacea & Vaccinium vitis-idaea in shelter of the rocks on summit & two patches of Saxifraga from cliffs of Sl. Meelmore at the lower gate, but the Arenaria

6 & 61, cont. Tassy Valley & Slieve Beagh.

Summer Hols., Co. Down, cont.

of rare plants was compensated by the excellent show & variety in colour of flowers of the Erica cinerea which was just at its best after the recent rain. The flowers varied from white & pale pinks, through salmon & every shade of purple to a dark crimson or rose - the best being abundant. White bells & one patch of White Erica tetralix also rare. Many pieces taken to grow by Mrs. Wood & I for myself.

Grass with wood-bill-hook on the top of land was the only weed taken, but a very sizable box was on the heather - as Erica & the yellow thistle the only ones with spines. Over a dozen photos taken during the day, but result all in bad light.

NO SWIFTS seen since 2nd August!

7th August. A nice day, sunny & calm, after a heavy dew, at first, with scattered cloud-drift, wind therefore SE here coming round the E flanks of Slieve Donard (variously on afternoon to moderate). Clear started to fill in afternoon & clouds became dense, with signs of rain late in evening. Had large bonfire & in evening I planted some pools, rooted plants, in water in cuttings of variously coloured Erica cinerea, white Cochlearia & a possible white E tetralix in bed behind the seat by the wee burn, & also some cuttings of E cinerea in pot with those of Thalictrum alpinum in greenhouse - left the alpinum cuttings, having died (on the sunny side of the pot!).

2nd August '16. After a very wet night & morning, fine forenoon & most fine afternoon. Light NW. NW & finally SW light & drifting calm & most fine afternoon. Cyclone had never got, as it seemed, further than Channel area & most heavy to make boats & complete year to afternoon. Picked up a few Fresh Plants (Saxifraga spathularis & a hybrid; Saxifraga (Dactylina) Arbuscula Dabroecia cantabrica & most fresh of Kalkyrea rupicola) & posted them to Miss Elaine Scullard, Toftwood St Ola Kirkwall Orkney who a couple of months ago sent me a list of Arctostaphylos alpina in a polythene bag but it was "crushed" on journey & did not live.

4th Aug. Mainly bright, sunny & warm, calm, but several heavy showers & one especially about noon was prolonged & with thunder. Spent afternoon with Mr & Simon in Tofferary Lane.

10th Aug. "Showers & bright periods"! A gale formed & mist changed from W. to E about 3.15 PM, after a fine forenoon, afternoon more showery than fine, evening fair but cloudy, & noon a F wind drifted.

11th Aug. Day of dog & rain from 11 PM till 6a Time & complete mist from NW & NE covered & grey, & had dry not effect. Bad past district. Gradually drop in temperature occurred about 8 P.M.

12th Aug. After a very heavy dew (about 2 AM frost), & clear & calm night, a most warm forenoon, but rain came on about 4-30 PM on & most strongly around following ridges.

George & family arrived at 11 30 A.M. to stay till 17th.

13th Aug. A fine day, by 4 P.M. a few showers & soon about [illegible] forenoon.

Left home during a shower for Mr Baldwin's & the Graveyard for of Tollpost Park, where spent the day. Home 5 30 P.M.

13/8/16, cont.

Collected 2 mornings in two period — visited 1230 PM & left London 1 PM.

1 = Fine forenoon & most fine afternoon & evening, day 5 mile of [illegible] to the west, visited Mountains [illegible]

2 = Fine morning & forenoon, Dull afternoon & evening, rain & [illegible] day [illegible] Rain 6 PM.

Tollpost Park is a part of the Rocks & Down Region, Rock 400 to 500 PM above [illegible] & [illegible] [illegible] [illegible]

13.8.61, cont. Tollymore Park, Co. DO, cont.

Taken at 1, cont.

Hemimera pallipes ♀, ant. 22 Hl. of proleus ♂, ant. 21

Stenurella [illegible] ♀ 20 mm. not mtd.

Macrolabis sp." near marginella var.? 1 ant. 31.

Mesochorus small sp. 1 ♂ 1 ♀: 2 mtd. ant 24 & 26

Aperileptus bilobatipes ♀ ♂ & ♀: not mtd.

Isobrachium brevicorne ♀

Microgaster sp. ♀ prob. Hl. ♀

Aperileptus albidens ♂

Netelia [illegible] sp. ♀ general colouring & proportions but the

[illegible] sat. metathorax not completely [illegible] 40.

[illegible] for gold. ± red.

1 species ♀ ♂, ant. 33 { Very near O. truncatus Hl. but some small differences: it might be a recondite W. var. (i.e. type form) } Will go label d both ♂ ♀ NWS. 17.2.62.

O. (Ro.) varicolis Hl. ♂, ant. 43.

Ichneum cinctipes 2 ♂♂, ant. 46 & 47.

Exephanes timidus ♀, small, ant. 20

Dyscoletes exaltatus, [illegible] & parkeli, other species: none mtd.

Aphidius sp. common: none mtd.

Pachyl. sp. 1 = brachypterous wingless ♀ ♀.

Echthrus (? male) Pimpla or Tryphon sp. ♂: not to be taken.

Meteorus sp. 1 = [illegible]

This ♀ parasitised Eriocampa juniperi (Yarrow) 30.3.1962 by Meteorus pallipes Nees ♀ (see also page 65)

Meteorus 2: see opp. page →
= M. fulvator ♂, ant. 27,
& M. jaculator ♀, ant. 24.

13.8.61, cont. Tollymore Park, Co. DO, cont.

Taken at 2 + [illegible]

Stilpon gyllenhali ♀, ant. 24. Peponocystis curtula ♂, ant. 20

Pimpla [illegible] ♀ ant. ♂, ant. 21.

Pezomachus [illegible] 2 ♂♂ Homaranda chrysopyga ♀

Homaranda spec. beside a chrysopa ♀, small, ant. 21.

Aperileptus ? sp. ♂, ant. 19.

[illegible] ♀

Microplitus bilineatipes ♂ ♀

Entypoma exiguum dark ♀, small, ant. only 16

Opius [illegible] ♀, not mtd.

Paxylomma dorsale Hl. ♀, ant. 22.

Trissolcus nobilis nearest ♀, ant. 11

Proctotrupes ♀, not mtd.

Chalcidids ca 20-25.

Meteorus jaculator ♀, ant. 24
M. fulvator ♂, ant. 27
} These were taken at 1 & not 2 as NWS

Syrphid 1 very minute

14th Aug. A dull day with W wind & almost drizzly, rain in late evening. Leg rows 1 & 2 of potatoes at W end of rain plot & heel bonfire.

15th Aug. A nice day with most sun, becoming cloudy & raining as trough approaches from NW: wind NW, light, backing to SW. Finish with my help put "Sylglas" on one half of greenhouse roof.

60 16th Aug. 1961. A warm, muggy day, but strong W-SW wind with occasional attempts at light drizzle & rainy interval, & fresh breeze. Calm in evening.

In afternoon, 2·30–3·0, I went along the wee burn & in the wuzzy = back garden & took the following records: —

Back garden, 21 Tullybrannigan Road, Newcastle, Co Down.

Family Of Solifugae = Nemastomatidae ♂

Leiobunum rotundum ♀ : off & closely allied records.

Epitrimus ♂, not mtd. Phalangiid: gen et sp.? ♂, ant. 27 =

Principia of Lebrija ♀, ant. 22.

Bisetus: not mtd.

Homoncus obscuripes ♀, not mtd. H. longicentris ♂: ant. 21.

Berlocon orbiculatus sp. n. ♂ ♂ ♀ (Type): ant. 24 (& 27): like bicellum, but tibia 1 long & body Pointed, margin of epiblum? Eye tract, shield & ♂ ♂ between ♂ ♂. FIWE. 14·2·1962.

Leptonetidae of Subfam ? ♂ ♀, but wont handle: description.

Bolyedrus pygmaeus? ♂, ant. 19, but hind tibia 3 patellae longer than = ♂ from Tullybrannigan Road on 27·8·61.

B. of humilis ♂, minute: ant. 19.

Opilio canestrinii ♀, red entomol: ant. 24.

Ephedrus plagiator 2 ♀♀ E. pallidulus ♀, ant. 10/11.

Zaitzevia arcuata in abund., especially on Iris leaves; now mtd.

Proctor. 3 & some minute: 2 mtd. =

Tchekanit. 50 to 100: not to Lyneham

Leptinetes: 6 fair minute Hemisphaeras. } none mtd.

17th Aug. 61. A rainy, misty day, with patches now & then of sun & occasional drizzle, but no rain: wind gusty & variable, high cloud. Fog S.

In forenoon took the following Hymenoptera — back garden: most at the Tullybrannigan Oak tree & on the iris in wuzzy.

Back garden, 21 Tullybrannigan Road, Newcastle, Co. Down.

Crabro cribrarius ♂ taken, otherwise, on oak (young tree).

C. podagricus ♂ on oak.

Hemitales ♂. ♀, mtd 23.

Pimpla 3 ♂♂ = P. melanacrias ♀ & ♂, ant. 30. P. flavicans ♀ mtd ♂ ant. 26.

P. cf. turionum, ♂, ant. 20.

Pimpla laticincta ♂: not mtd.

Ichneum cinctipes ♂, ant. 36

Schizolaus n. nigr. ♀: not mtd: pinned: ant. 60.

Proctot. 1 on iris: not kept

Hemisphaeras (very small) = Orileo majusculus Reuter, ♂ fid. A.M. Marcet, 1964. — new to Ireland.

18th Aug. Evening night the gale returned & blew all day from W. with severe gusts; also light drizzle off & on but never well powered. Along the Kearney Peak portion it began & continued a good crop.

19th Aug. After a windy night (NW) with some rain or drizzle, a dull rather windy day, but no drizzle after 11 AM & wind gradually falling to calm — fine afternoon.

20th Aug. Very warm — humid — with drizzle, light & moderate, from 10·30 AM onwards, after a dry night, but not heavy through the drizzle most of forenoon & until 2 P.M. Many Hymenoptera run on the little oak

20 8 . 61, cont.

in back garden including Eristalis sepulcralis, E. pertinax & Volucella zonaria.
Next the following week or two each visit was abortive but before I could get to the swamp to sweep the biggish stream - that's too late, one sweeping the bank yielded a number of Bibionids & a few Tabanids. Taken - 3rd Sept. at 12.0 NN.

Ischiromyia 3 ♂♂ 2 ♀♀. = Brit. known, recorded 9 ♂♂ ant. 33; see below!
Apystata rufiventris ♂, ant. 27.
Bactrodesmus fulvicornis ♂, ant. 36.
Promethea vulcator ♂, ant. 25.
Homocidema nitidipennis ♀, ant. 20, pill apical, antler yellow, wings hyaline
Apystata ♂ = ♀ ! prop. is horrible! hind femora & tibiae compressed, black-tipped, short & moth.

Taken off the oak, between showers, at 5 PM.
Ischiromyia maculosa ♂? ♂, Exeter 1904.
Phaeogena ♂ = Brit. known, recorded 9 ♂♂ ant. 33; see above!
Corynoneura 2♀ = Atrichopogon (Ceratopogonidae) ♂, ant. 23.
Leptocera ph. sp. ♂, ant. 21. Phyxadenomyia ♂, ant. 22 =
Corynoneura sp. ♂ ♀, ant. 32.
Pimpla 2 ♂♂ = P. flavicoxa ♂, yellow ventilla, ant. 28
P. maculator ♂, ant. 24.
Homocidema cordata ♂, ant. 21. H. fuscipennis ♂, ant. 22.
H. tarsatoria ♂, stone on lichen on Rhododendron, ant. 23
(not with crocket in forceps)
Microtheca sp. moderata ♂, ant. 32; seems to be in Schmid, but does not agree well!
Apystata fulvicornis ♂.
Tachina ursina 2♀♀.

21-23. Aug. 1961. Stormy & rainy, dull & wet on 22nd, rather a rainy day on 23rd, but blue sky in the evening & still night.

24th Aug. Almost entirely sunny & light variable wind, cliffs from east during middle of the day, dry after a wet night & early day.

In afternoon I took Bonaval Lodge wood & collected in two areas, as follows, for forty-five minutes each: —

1 = Wood W. of waterfall & below bridge. 3:30 – 4:15 PM.
2 = Wood E. of the River (waterfall) & 4.0 – 5.0 PM.

Bonaval Lodge wood, Co Down.

Sweep, taken at 1. (W. of waterfall!).

Phyxadenomyia sp. ♂ not det. Hemitricha ♀ small black ♂, ant. 19
Stictocera gigantea ♂: not det. Leptocera sp. ♂, ♀ ad. ant. 23
Peponocephala ♀ 2 ♂♂, ant both 18.
Promethea vulcator ♂ fulvicornis, ♂ ♀ ad: neither det.
Stigmatomma sp. ♂, very small, not det. Acrotaphus ? nitidipennis ♂, ad. sp.
Bactrodesmus fulvicornis ♂, ant 36.
Bactrodesmus communis ♀, ant 21. Apystata tenuicornis ♀, ant. 24.
Eucladiscon flavipes ♂, ant 25. Ophira xanthogaster ♂.
Ephedrus validus ♀. Dasymus crassicornis in abundance.
Random 19 Cyp. very small: 2 not det =
Platycephala calcar Hal. ♂
Dicyphus ♂ (ant. 12).
Tabanidae ca 500: most ♀ gravid.

24.8.61, cont. Dromard Lodge, Co., cont.

Taken at 2. (E. of waterfall) [Cards, 7 mtd.]

Cat. ♂ Isopsenia laevinodis : not mtd.

Cryptocricotus 3 = Cryptocricotus 2 : not mtd.

Pegomyia [illegible] ♂ : ♀, not. 18 : some of a taken at 1, sep. 69 subs.

Limnophila bullata ♂ 1♀ : 1♀. not mtd.

Rhamphomyia [illegible], cognata & tetracampa : several ♂♂ of each : none mtd.

Hemerodromia [illegible] ♂, not. 20. H. [illegible] ♀ : not mtd.

Oedalea [illegible] ♂ : not mtd.

Platypalpus 2 ♂♂ = P. [illegible] ♂ : small ♀, not. 20. ♀ ♀ larger tarsi

Rozza [illegible] ♂, not. 47.

Tachypeza microptera 2 ♂♂

Eudorylas [illegible] ♀

Aspistes tumida ♀, not. 19.

Dexocnema oestracea abundant : none mtd.

D. cf. [illegible], small ♂, not. 34 : Twins or propodeum & tergite 1 affected by the other?

Ephydrinae Major ♂ : not mtd.

Brachina : none mtd.

Lithuria : sent to Graham.

Other gen. not represented in general collection would be blackened & pinned.

25th Aug. 1961. After a windy night (S-SE.) all operations restrained not in the forefront & continued till early afternoon, when wind & rain fell & some re-started & continued till 6 PM. Daylight in afternoon. Rain by 11 PM & day after this. Very humid generally all day.

26th Aug. A brilliant sunny forenoon & evening, but a gale forced a little before noon & heavy rain fell for a couple of hours. Wind S.W., now then out very warm. Dug some potatoes in main plot — Golden Wonder — & got fair crop. Took both cuttings of scarlet & pink geraniums & put into pots in greenhouse.

27th Aug. A windy day, but warm & dry. Wind-storm S-SE in morning, S.W. later & dropped to light about 6 PM. Light rain with lulls at 10.30 A.M. & rained on & off more hard & stayed collecting till 5.10 P.M. ♂ Brachicoma fabricator Van impregnator, not. 40. [In house on 27.8.61 & took a large will live w/ water for less than 48 hrs. in garden on 30.8.61 AM.

Collected in 5 areas in fields as :—

1. Area from boundary hedge to electricity, up the [illegible] to bottom of Reggie's field. 11.0-12.10 noon
2. Reggie's field 12.10 - 1.20 P.M.
3. Top of little down avenue, along old track to "the trap" 2.0 - 3.0 P.M.
4. From 3 back along S. side of West Down to old woodland 3.10 - 4.30 P.M.
5. Piece of old woodland where stone "To the limestone" stood 4.30 - 5.10 P.M.

Also many in killing bottle from all stations.

Tullymore Park, Co. Down.

In killing bottle.

Diptera 3 (3 Hom. Phora & 1 Trypetid) =

Tollymore Park, DO, cont.

27.8.61, cont.

In kelly, bottle, cont.

2 Stiftia Tentacles ferruginea ♀♂ = Nemertes ♂ = Polycystis obducta ♀.

Diptera 3 = Chelyosoma flavum L. ♀ ? ; pale Muscid, black, ♂

Syphus torvus O.S. ♀ ? Tipulid =

Vespa norvegica, a very dark ♂ at-3.

Craticlaseurus rufifrons ♀, ant 27.

Cryptini ♂ = Plectocryptus arrogans ♂, ant. 32.

Limneria cylindrator ♂, ant. 40, but does not agree well!

Cryptus praerogator 2♂♀. Polyblastus mentinus ♀♂, others seen.

Homocidea flavolineata ♂, ant. 25. Sequentia f. zonata ♀, ant. 32.

Ichneumonidae ♂' =

"Eurycyrtus annulatus Gravenhorst" (97 Perkins 19.4.1962 det.) "Polyblastus (Lobocentrus) sp. ? of stenocentrus = melanostigmus group" (det. J.F. Perkins 19 iv 1962)

Ephialtes extensor ♀.

Taken at 1 (2 in smoker).

Cryptinae 3, including Stilpon gyratus ♂ and ♀.

Phygadeuontidae 2♂♂, ant. both 21 =

Limneria subcinctus, ♀, ant. 33.

Promethes exaratus, pulchellus, latiscapus Perk. now sold.

Homocidea stramifer 3 ♂ (one ♀ often = H. flavolineata ♂ ant. 26 (Odour almost thick.

H. brevistylis, small ♀ ant. 23

Ichneumon pictipennis Hgn. ♀♀ ♂, ant. 28.

Stenomacrus rectalis ♂, with abnormal antennae. ant. 23.

Campoplegid ♀ = Phaedroctonus transfuga ♀, ant. 28.

Plectiscidae 3 = Acrotaphus dentifer ♂, ant. 26 Habrata pulverosa ♀ large ant. 30.

H. " ♂ small, ant. 21.

Tollymore Park, DO., cont.

(1) 27.8.61, cont.

Oncophanes unicolor ♀, ant 23

Rogas testis, small ♂, ant 44.

Apanteles ? ruficrus ♂. Trichosteles ? tabanivora ♂.

Metacoenus flavitarsis, small ♀, ant. 21.

Agrypon nitidiventre ♀ + Dusmetia areolaris ♀ Hymenoptera

Ephialtes Pseudosagis ♀

Braconidae - 6 + many small ! Brachistes + = Exothecus luniventris Wesm ♀

! Cardiochiles ovip. also = Rhadinoctonus ♀

Ephialtes - 100 - 120.

Ephialtes - rare, small!

Taken at 2.

Tollymore Park DO. cont.

(2) 27.8.61, cont. [Coll. cont'd]

= "Apteris (Chaetopsyllus) sp."
Teste J.7. Perkins
19.4.1962.

Cryptostr. 4 Nicoletiella (Apteris) spectabilis Jord. ♀ ♂, ant. 24.
Phygadeuonid ♂, ant. 22 =
Cryptus ♀ ♂, ant. 28 =
Phygadeuonid, large ♂, ant. 23 =

Pranthis laticeps 5 ♂♂ 1 ♀; ant. stk.
Honocidus dimorphus 2 ♂♂ ant. stk.
Stenocerus ventralis 1 ♂. St. (nov. stk.) punctus ♀; ant. 19.
Apenlistes albipalpis ♀ ♂. ant. stk.
Orcophorus sp. ♀ (= same as from 1-mile p. 73).
Rhyssalus obscurior ♂
Proctus.
Ichneum. ca. 20.
} Mon. stk'd.

Taken at 3.

Cryptostr. 13, including Stelfoxia fagetis = 1 ♂, Pezomachus { ♀ ♀, ant. 20. ♂ ♀, ant. 22
Homolobus ♀ ♀, ant. 21; also possibly ♂ of same, ant. 22 H. sp. ♀ ant. ♀ 24.
Phygadeuonid ♂, ant. 23 = Cryptid ♂ ant. 30 =
Mesoleius = Exolytus ♀ 2 ♂♂, ant. 23 & 25 =
Lysiophlebus ♀ ♀, ant. 25.
Limneria bellator ♂, and ant. 40.
Polyblastus vestigialis ♀ ant. stk.
Exochus 2 = Epiurus 2 ♀♀, ant. 30 & 32.
Stenocerus (nov. stk.) flavissimus mih. ♀, ant. 21.

(3) 27.8.61, cont. Tollymore Park DO. cont.

Pranthis laticeps 2 ♂♂. Honocidus dimorphus ♀ pale, ♂ red, ♂ Mesoleius fuscipes Holmgr. ♀ ♀, ant. 24.

Syn. of ♀ ♀, ant. 22, syn. of ♂ taken June on (2) 14.9.1950.
= Nicoletiella sp. ♀ J.7. Perkins (19.4.1962).

Thrincolid ♀, ant. 23 =

Cryptolycis 4, including Nemeritis ♂ ♀, same as ant. 23 other of stock vial, 14 stk. = Coryctes interruptus Hlgr. ♀, ant. 28 - fate unknown.

Pleolophus ♀ ♂, ant. 20

Netinera calcyatus ♀, large, ant. 34. M. of ♀ circulator Nees ♀, ant. 20.

Stenocerus dictynnae 2 ♂♂, one with wing, trace entire, ant. 40 x 47. (broken)

Stenocerus arcuatorius abundant. Aphanista tenuicornis ♀, ant. 24.

Exephanes pumicornis ♀, all black abd. ant. 17

Proctus B, 4 stk. = Cryptocryptus parvulus ♂.

Cryptobia maculata K. ♂.

Pantoclis possibly similis, ♂.

Pantoclis of truncata ♀, dark abdomen!

Total entries, ♂ - ca. 40-50.

Taken at 4.

Epitrem ♂ and ♀1.
Physcus ♀, ant. 19.
Cryptus ♂ ant. 27 =
Homolobus flavolineatus ♀ ♂ : not stk'd.
Porizon ♂ ant. 26 = Trematopsis sp.

(4) 27.8.61, cont. Tollymore Park, DO., cont.

Aphelochirus pelicensis (♂♀) ant. 30.

Megalyle cruentata ♀ ant. 32. Trypetelimna lineata ♀ ant. 39.

Edwardsia [illegible] ♀ ant. wts.

Xpanchus sp.? ♀ A. tolerata ♀

Rozyma hirtipes, large ♂, ant. 48; generally the yp. but stigma very black!

Microcotyura bimpetiolata sp.n. ♀ Type' ant. 17. AWS. 27.Jan.1962.

Meteorus ♀.

Ephedrus ♀

Dacnusa areolaris in tomato.

Proctos. 3 = Pantoclis luteolator ♀

Tabanids, ♂'. 50-60.

Taken at 5. (Very windy & wet! Often on ground under trees & bushes!)

Acaricoxa obscipes ♂ ♀, ant. 26. = B. laevator Thunb.

Lobocoxa nanoides ♀, ant. 30.

Stilpon gracilis ♂ ♀ Ochthophilus Hemiteles ♀ ♀, ant. 23.

Hemiteles ♀ ♂, ant. 21 - very like the ♀, but ♂ has no

Hemiteles ♀ male ♀, ant. 19.

Homocidius "cinctus" ♀, ant. 21, all black abd.

H. tenuatorius ♀, ant. 22. Promethes [illegible] ♀, ant. 24.

(5) 27.8.61, cont. Tollymore Park, DO., cont.

Stenomacon ridibundus ♂ not wts

Pezomachus sp.? ♀♀, ant. 27 & 29.

Phaeton ♂ ♂ = Trypetelimna cingulata ♂, ant. 34

Xpanchus of polliger ♀

Opius concolor ♂, DARK YELLOW! Ant. 32.

Pentaphragma pumilio ♀, ant. 17, very small & with very dark eyes.

Adelura dictyona ♂, ant. 44; small specimen

Dacnusa cyclops, ant. 23: ♂.

D. areolaris common: none wts.

Coelinius of. nigra ♀, ant. 43.

Tanycraspedus nitens ♀, DARK YELLOW! ant. 11.

Proctos 3 (2 of females only wts. = thinner of pieces from ♀♀

Aphelochirus albicollis ♂.

Tabanids, ♂'. 30-40.

28th Aug. Gale from S-SE all day, but warm & no rain. Dug last row of potatoes in rain plot & last bonfire.

29th Aug. Gale continued most of day, but died down in late aft. Very hot & windy, temperature of over 80 F. recorded in many parts of England. Dug last potatoes — Arran Triangle — Kerr's & Golden 'Wonder' —

30th Aug. Still very hot & windy, but no rain. Little wind & fairly variable. Dug very last potatoes & old compost heap & cut front of row - forenoon. Afternoon not good all potatoes stored in cool house. Obs. cutting early morning with mixed clouds of Dacnusa workers from grassy ride.

3rd Aug 1961 another day of hazy sun & blue sky, but a cool stiff breeze off sea (E) kept temperature down. Afternoon Daisy, Mrs Macleod and went by 12.00 bus to Dundrum & returned by 3.45, & collected by sweeping around the old Norman castle for 2 hours & ½ in the area, as follows:—

Dundrum Castle grounds, Co Down.

1 = under trees on N side of castle
2 = " " " – W. & SW of castle, the bit at the end just overlapping NW of castle where a small group of young oak grow.

Insects taken at 1. 1.30–2.30 P.M. in shade but in breeze

Mevesia arguta ♂, ant. 24. Cratichneumon rufipes ♂, ant 26.

Cryptinae ... Stilpnus ♂ ... 2; 1♂ mtd, ant 25.

Cratocryptus cf furcator, 3♂♂, ant. 27, 28 & 29.

Hemiteles ♂, ant. 22

Lissonota bellator ♂, ... ♂♂: 1♂ mtd. ... ant.

Promethes sulcator ♂, ant. 26. ... 2♀♀ not mtd.

... ♀, ant. 25.

... ♀, ant 23 = Diadegma ... small ♀, ant. 23.

... Bathyplectes ... ♀, ant. 20
P. ... ♀, ant. 19. Diaparsis ... ♀, ant. 33.

... not mtd.

... ♀, ant. 16.

... ♂ ... ♂♂, 1♀, ant. 24, 24 & 22(?).

... ♂ & ♀, ...
... 2♀♀ 21, at ... 19.

Opius 2 – O. spretus ♀, ant ... (B) ... ♀, ant. 35.

(1) 31.8 61 (cont.) Dundrum Castle, DO, cont.

Aphelidae 3. A. ... ♂, ant 17.

A. cf ater 2♀♀, one ... ant., the other not ... 2mm., with only 20-seg ant.

– D. (B) ... Ruthe, ♀, ant. 22.

... & ... (1) ...

D. ... 5: 1♀ mtd, ant. 30. D. ... 1♀, ant. 33.

[Aphididae ... seen (?) but none in ... .]

Proctos. ca 20: 3 mtd. = Exallonyx microcera 2♀♀

Diapriid ♂, ant 13 =

... ♂, ... 60–70.

Cynipidae 3.

Taken at 2

... ♀ ... Cratichneumon rufipes ♀, ant. 22.

... ♂, ant. 29.

... ♀, ant 23.

Cryptinae 7 only 1 mtd. = Cratocryptus cf. furcator ♂, ant 28.

Lissonota bellator ♂ not mtd.

Promethes pulchellus ♂♂: not mtd. ... ♂, ant. 21.

... ♀ = Aclastus ... ♀, ant. 29.

80

(2) 31 E 61 cont. Lonicera Xylosteum DO, cont.

Bracts persistent ? 2 pr, ovt both 30. Var of fulvipes or distinct species
darker, smaller, head small & not so transverse; dried twigs more polished
Rosa tomentosa fr, ovt. 45 + ? AWS.

Rosa Sherardii frequent; now ntd.

Scutellaria (Hyssopifolia ?) : ovy, wtd. = Connaigara sp.

Salix, 2 nice bushes : not to count & investigate.

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31 E 61, cont. Ox Hill, Cont.

Cotoneaster rubens = canescens ? fr, ovt 2, ovt .75. sp.

" fabricator " fr ovt 1, ovt .38. Prob. a bit out of Connaught!

Euphrasia wtd 1. ovy 1 wtd

Bryophora ovt. ovt wtd

Blysmus rufus, wtd & fr. ovt wtd. Probably tol = Leyland specimen AWS.

1st Sept Cloudy, cool, rain during morning, walking on Slieve Bawn. Slight, cold, rain in afternoon, then NW wind, clearing at night or AM. Frost.

Salix hookeriana showed the best grown in the west-Scotland plant from Skye. It was in bounds & "universe" I planted it in N.W corner of back garden where the plant Cotoneaster frigidus (or villosa) had died.

2nd Sept 1961. Hill fog" a gentle drizzle - very light at times all day after a dry foggy night. No wind, beyond a breath draught. Sunday. In afternoon during a dryish period we walked round by Tiffanany Wood. Here & there have seen down "Foggath" was used from a century & Shamrock Avenue. The rain used was not by a hill-slope wash, & in most of the hill is used about 6 ft. at a very stony boulder clay, with appears a foot of soil only on tops. At foot of slope the old mound tips of an iron-age age are not a thin in an inside boulder clay, a soil is ± sandy & free of stones.

4th Sept. Hill-fog which occurred all night continued all day & generally accompanied by drizzle. Spent most of day looking at specimens of Cotoneaster requested by Marcus Hyde — the letter dated 21st Aug. '61.

5th Sept. Hill fog almost cont 6 AM but many a visible at 8 AM. clearing before noon, but no sun till nearly 4 PM. & then a dry evening. Much colder, wind light at first, later NW & some hail frost at times.

6th Sept. Cold, NW-W wind, fine in forenoon, but a short sharp shower at 1 PM. heralded in a showery afternoon, but cleared late & a clear starry night followed.

7th Sept. A bright morning, followed by a windy sunny day, when we rain fell here & I got both Cornus & the wych-hazel planted. Being planted 3 new rows of strawberries, while the older plants are in full flower & we have had ripe fruit off them recently. Some Rhododendron & the Hamamelis upon hill-slope are in flower often.

8th Sept. 1961. A very nice calm sunny day. Took several photos of back garden — forenoon including Heather, Cyclamen, Evonia, Hebe, Lavender, Lonicera brasalis & taken in window a long time. (Tea yellow shoulder neck, thick cream & forenoon Barbarea, & strict, tapt.)

9th Sept. After a fine calm night & early forenoon, a semi-gale rose about noon & drizzle first & later heavy rain with S.E. & later strong SW. wind, in late aft & evening.

10th Sept Tobbymore Park, see next volume of diary!